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COMMERCIAL YEAR BOOK

OF THE

BIRMINGHAM CHAMBER of COMMERCE,

With TRADE INDEX.

SECOND ISSUE.

OFFICIALLY ISSUED
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1907.

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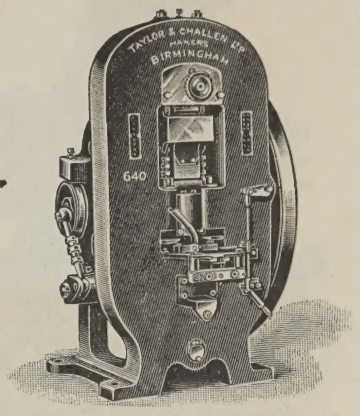

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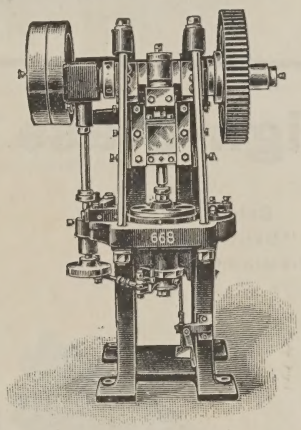

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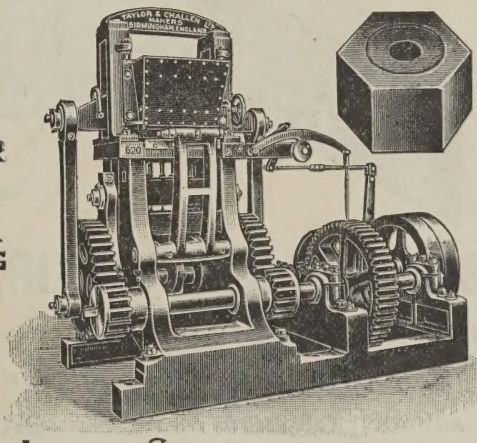

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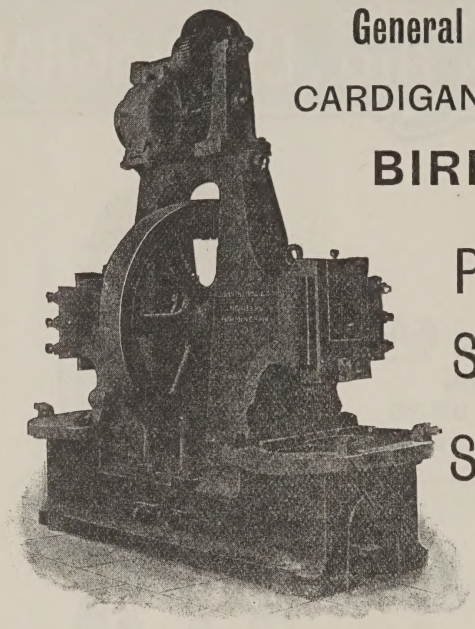

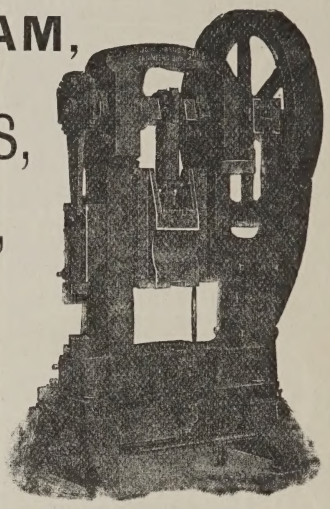

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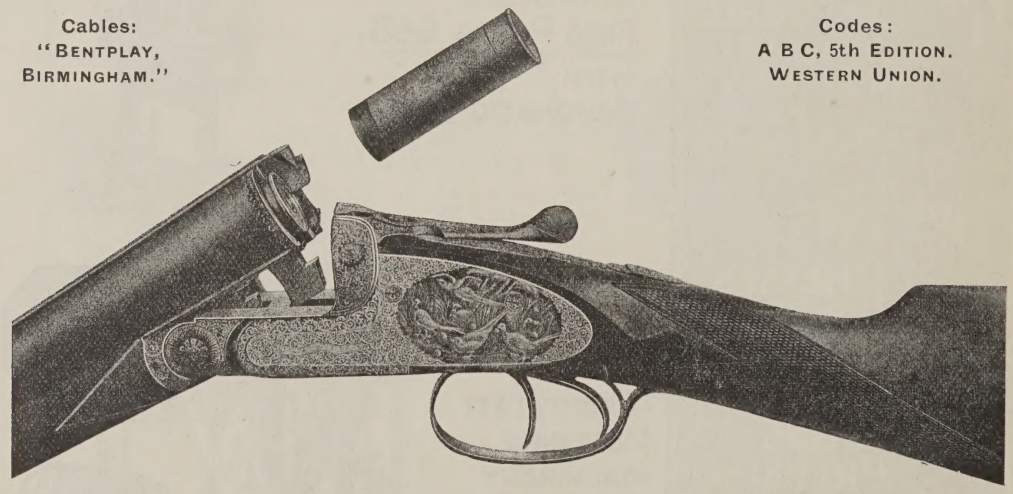

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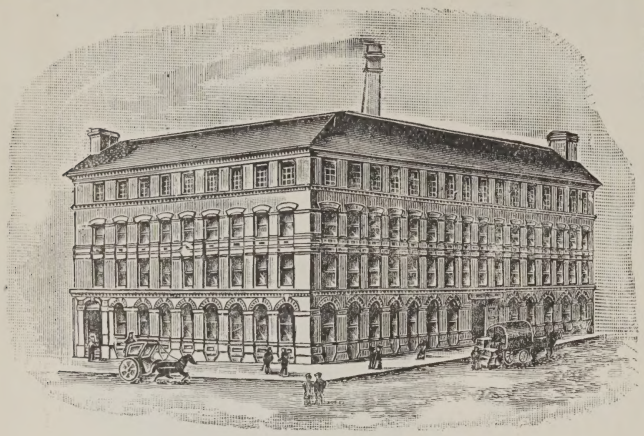

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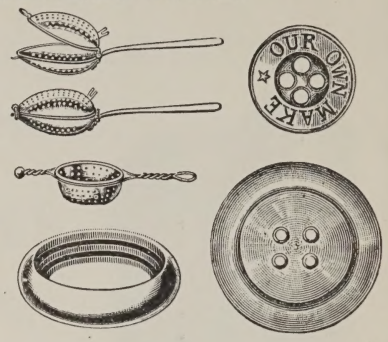

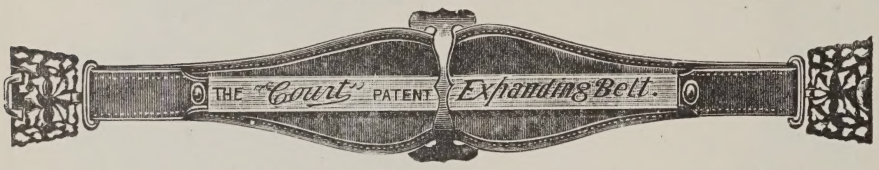

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Second Issue.

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AND EDITED BY

G. HENRY WRIGHT, F.C.I.S.
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WITH AN

INTRODUCTION

BY

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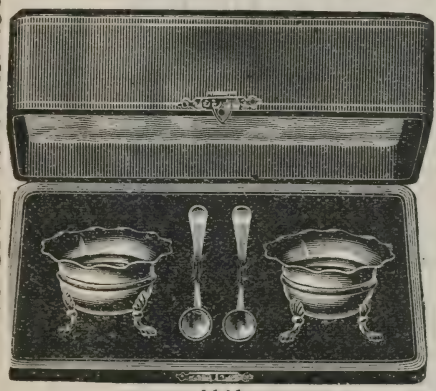

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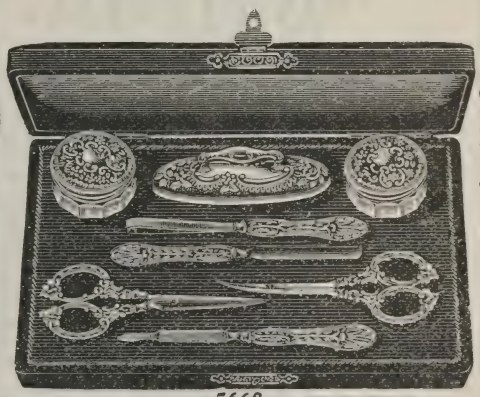

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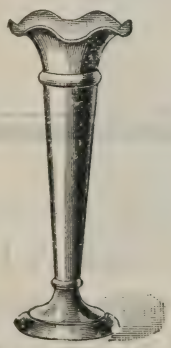

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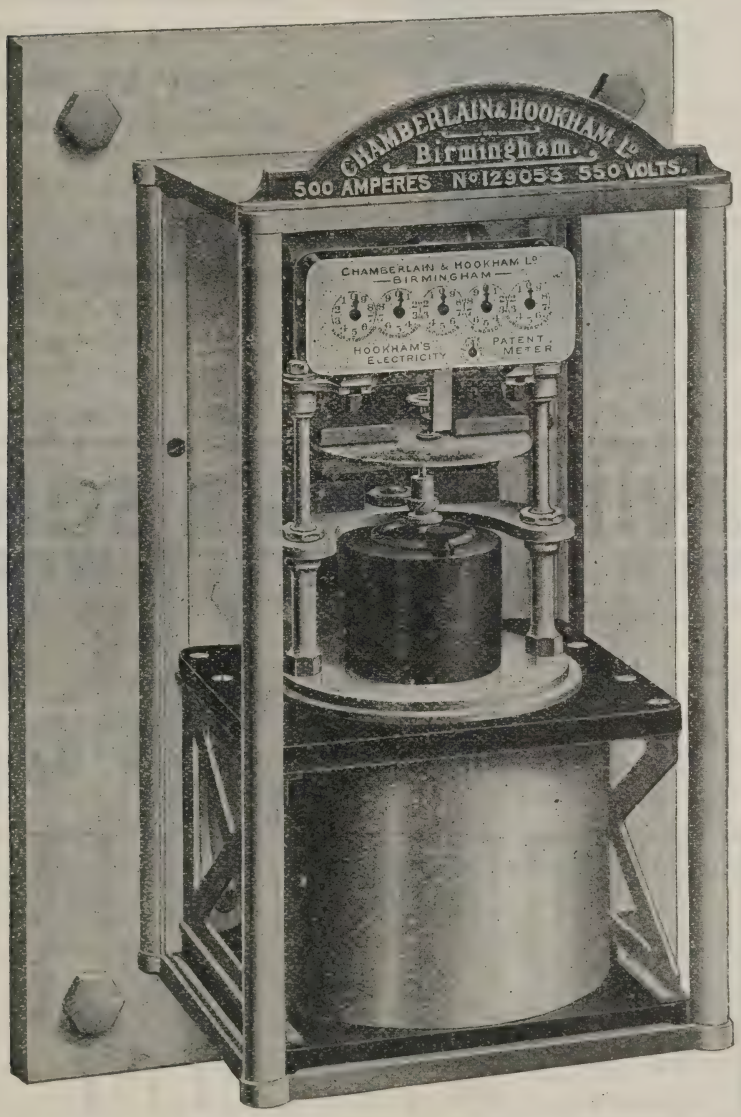

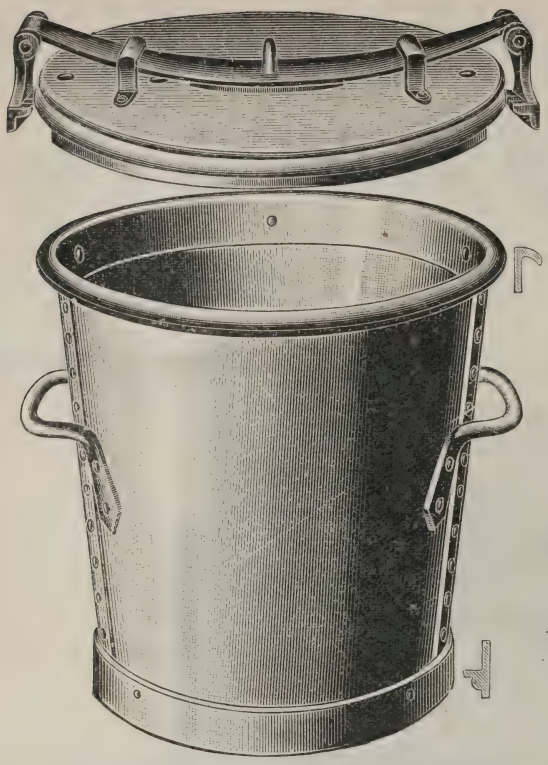

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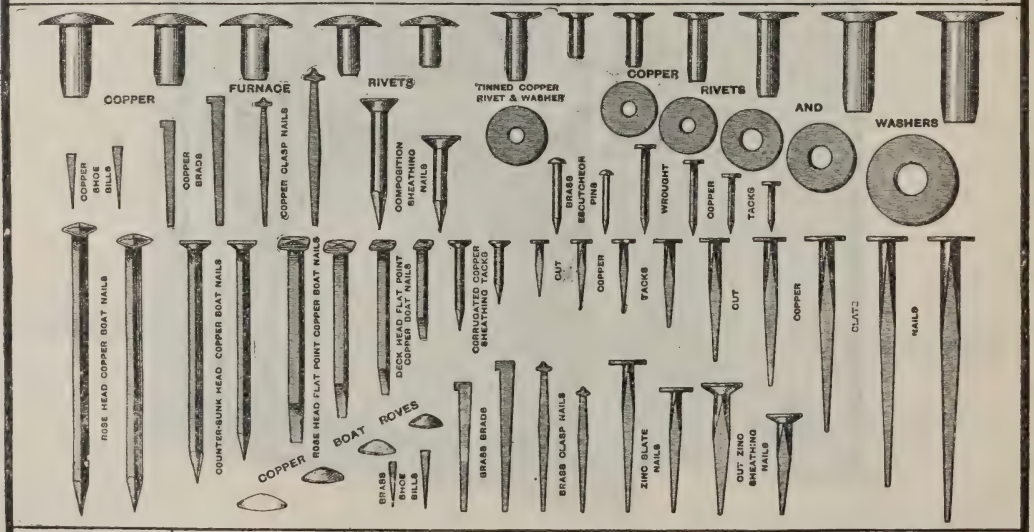

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CONTRACTORS TO THE GOVERNMENT. PRICE LIST ON APPLICATION.

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INTRODUCTION

By J. S. Taylor.

IN the year 1783 a "Commercial Committee" was formed to represent the trading interests of the town of Birmingham. The historian tells us that this body quarrelled in 1790 and broke up shortly afterwards. In 1794, however, the President of the Manchester "Commercial Society," which had only been in existence for about a couple of months, wrote to a leading Birmingham merchant suggesting the establishment of a similar society, and this suggestion appears to have been adopted, for in 1795 we find the Chairman of the Birmingham Society expressing a desire to co-operate with Manchester in their efforts to obtain a treaty for the purpose of removing certain acute grievances in connection with trade with the Pontifical State of Italy. Again, in 1796, the Birmingham Commercial Society was represented at a Conference held in London with reference to the condition of affairs in Southern Europe, and particularly as to the confiscation of British property by the generals and commissaries of the French armies. Indeed, just at this time the Society appears to have been a very active body, in consequence, probably, of the disturbed state of Europe and the many impediments to trade and commerce occasioned thereby. That the importance of combined action and representation was fully realised at that time is evidenced by the somewhat frequent meetings of, and communications passing between, the Commercial Societies of Manchester, Leeds, Halifax, Exeter and Birmingham.

In the year 1813 a "Chamber of Manufactures and Commerce" was founded, and signs of its activity are to be discovered in the historical records of the period 1819 to 1826. The Chamber possesses its original records from 1813 to 1830, and if space permitted it would be interesting to dip into these at some length. I must, however, content myself with a reference to two matters referred to in the first Annual Report in June, 1814. I refer to these because they relate to questions which are of interest at the present day, viz., (1) Apprenticeships, and (2) the Corn Laws.

With regard to the first, the Statute of 5 Eliz., cap. 4, sec. 31, enacted a penalty against any person exercising any trade or handicraft without having previously served seven years' apprenticeship thereto. It came to the knowledge of the Chamber towards the close of 1813 that considerable exertions were being made by a Committee of Journeymen in London to induce the artizans in the principal manufacturing districts to present Petitions to the Legislature in favour of a Bill for the enforcement and extension of the provisions of this Act. Coincident with this, however, Mr. Sergeant Onslow introduced a Bill for repealing the penal part of the Statute. The Committee of the Chamber passed

a series of ten elaborate resolutions against the system of compulsory apprenticeship and in favour of Mr. Sergeant Onslow's Bill, and thus reported their action to the Chamber :—

> "The public opinion of the impolicy of the Statute [5 Eliz., cap. 4] has been long and clearly expressed by an almost uniform objection to enforce its provisions ; and your Committee was convinced that the prosperity, extent, and excellence of the manufactures of this Town were to be ascribed principally to the unrestrained freedom of every individual to employ his time, skill and capital in the manner most conducive to his own advantage ; they therefore received with considerable apprehension the attempt which was made to enforce and extend those provisions which were to interfere with that right.
>
> "With those impressions your Committee petitioned the House of Commons in support of Mr. Sergeant Onslow's Bill. They also framed a series of resolutions expressive of their sentiments of the tendency of the proposed measures, adducing facts in support of their allegations. These resolutions were advertised, and copies were distributed to the members of the House of Commons, and your Committee have reason to believe that they have had a very beneficial influence."

The second subject related to a proposal to impose additional restrictions on the importation of foreign corn :—

> "Upon a question so momentous and of so complicated a nature your Committee long and anxiously deliberated."

The proposed restrictions took the form of additional duties, the object of which was to maintain the price of corn at an artificial level. The question was again brought forward a year later, when the Committee reported to the Annual Meeting of the Chamber as follows :—

> "Among the subjects which have engaged their attention, they consider none of greater importance than the renewed intention of the Legislature to impose additional restrictions upon the importation of foreign corn. In the interval of peace which occurred since a similar measure was brought under discussion by the Legislature last year, your Committee received much information from merchants having extensive connection with the Continent of Europe, which strongly confirmed the apprehensions they had before entertained that the manufacturers of this country were likely to be exposed in future to a competition far more injurious than they have heretofore had to contend against. They therefore conceived that any measure which, by advancing the price of corn, would ultimately raise the wages of labour, must have the effect of excluding the manufactures of this country from those markets which might otherwise still have remained open to them."

In 1830, or thereabouts, this body passed out of the public view, but was re-established as a "Chamber of Commerce and Manufactures" in 1841. Unfortunately, the records of the Chamber as re-established are missing, although it is known that in 1843 a memorial in the name of the Chamber was sent to Peel, attributing the depression of trade to "a defective state of the currency."

Shortly after this the Chamber again passed out of the public view, to be finally revived in 1855 as a "Chamber of Commerce." Since 1855 it has existed continuously, and its records are complete. From the point of view of membership the Chamber was not very powerful, the numbers between the revival and 1901 varying from 100 to 200. In 1902 and 1903, however, the Chamber was entirely re-organised and incorporated; its sphere of activities considerably enlarged; and its influence augmented. As a result the membership at the time of going to press is about 900, making it the fourth largest Chamber of Commerce in the United Kingdom.

A consideration of these interesting particulars of events extending over a period of 123 years can only lead us to one conclusion, namely, that Chambers of Commerce are a necessary and integral part of our commercial organisation, particularly in these days when the stress of competition is so great. There is constant need of representation to Government in the interests of trade and industry, and the growing tendency is for this need to become accentuated. Under our present constitutional polity the voice of the individual trader is as one crying in the wilderness—great combinations to express the voice of whole communities are increasingly necessary. Hence the later development of Chambers of Commerce.

Party politics should play no part in the constitution of Chambers of Commerce. Matters of high political importance are frequently discussed by them, but these are considered only from the business point of view. In other words, it is the economic rather than the political aspect which is deliberated upon.

The functions of the Chambers of Commerce are many. For instance, it is their duty to keep their members in touch with the rapid changes which are constantly taking place in the commercial and industrial world in consequence of new forms of competition and the practical development of scientific invention. It is also their duty to examine home and foreign legislation and to make representations if necessary in the interests of British trade and industry; and also to assist traders with information on matters connected with tariffs, customs regulations, and other subjects of commercial concern. For this latter purpose the up-to-date Chamber of Commerce collects and co-ordinates statistical and other information, and thus relieves the individual trader from the trouble of doing this for himself. In one sentence, the principal function of a Chamber of Commerce is to act for a community of traders in matters concerning their common interests.

It follows, therefore, that it is an economic gain, both from the point of view of pecuniary expense and the expenditure of time, for traders to associate themselves together for the protection and promotion of their common welfare. Every trader—wholesale or retail—every manufacturer, factor and merchant has need of a Chamber of Commerce to represent and to voice the interests which he enjoys in common with hundreds, nay thousands, of others. All these, and professional men, educationalists, and others who are interested directly or indirectly in the welfare of commerce and industry should join their Chamber of Commerce, and thus, by sheer concentration of interest, help to make it a living and vital force in the economic development of the nation. The influence of

Chambers of Commerce is already a potent force, which will acquire an added momentum in proportion to the support accorded. Strong Chambers of Commerce are indispensable to the effective advancement of the views of the commercial community. Individualism is essential where only the interests of the individual are affected; but collectivism is just as necessary where the interests of a community are concerned.

Every trader, every person interested directly or indirectly in trade, should be attached to a Chamber of Commerce. The Chambers should be well organized; they should have secretaries fully qualified for the varied and responsible duties they have to perform, and who devote their whole time to the office and have an adequate and efficient staff. For what is wanted is exact and accurate information to enable reliable deductions to be drawn as to the state and conditions of trade and industry; expert knowledge, legal and technical, to assist in the examination of legislation; economic knowledge to further the examination and study of economic problems. All this is essential to the ultimate object of a Chamber of Commerce, namely, to protect and promote trade, to increase employment, to bring about a better understanding between employers and employed, and thus to produce a betterment in, or an amelioration of, the conditions of life among our vast industrial population.

I must not omit another important point affecting the efficiency of a Chamber of Commerce. The Council, the controlling body, the mouthpiece, so to speak, of the Chamber should embrace the keenest commercial minds of the district—men of matured experience to give solidity, and young men with ideas to give vitality. The former will be guided largely by their experience; the latter will keep their eye on the future; and thus the maximum of efficiency will be reached and the Chamber become a living force.

These considerations are suggested by the rapid growth of the Birmingham Chamber of Commerce during the past five years. The Chamber has been completely rejuvenated and its activities have increased by leaps and bounds under a broader and more enlightened policy, which neither drew back from great problems nor despised smaller ones. Their scope is almost unlimited. There is, for instance, the question of hostile foreign tariffs with their arbitrary restriction of our trade. Economically these tariffs have seriously injured British commerce, and it has been the duty of the Chamber to represent this to the Government. Then there is the vital question of transport. Eighty years ago the canal system reached its zenith, and marked a tremendous advance on the older methods of transport. But resting on their easily-obtained laurels the successors of our original canal proprietors and engineers were caught asleep. Instead of improving their system they literally relied upon a supposed monopoly, exacting meanwhile exorbitant rates, to the great detriment of the trader, who needed cheaper transport as competition developed. The exigencies of commerce brought the railways, and canal proprietors, awaking from their slumber, stood aghast. Many of them parted with their undertakings to the Railway Companies, who were only too eager to buy up their competitors; others fled from the field; whilst others maintained only a semblance of competition. As a result, the monopoly of transport passed to the Railway Companies, and it may now truthfully

be said that the British Railways, with their capital of nearly £1,300,000,000, form the greatest monopoly in the world. The burden of this monopoly has to be borne by the trading community, who are compelled to pay rates which intensify, when they do not literally destroy, our chances of competition against the foreigner, who is assisted by his Government in a manner that is as yet unheard of in this country. Manufacturers of heavy goods have been forced to the sea-board ; manufacturers of lighter goods are simply groaning under the heavy charges they have to pay both for the carriage of their raw materials and their finished products ; and industrial development is thus impeded. No subject has occupied the Chambers of Commerce more seriously than this question of transport, and it is a peculiar comment on the want of foresight exhibited by earlier generations that His Majesty's Government recently appointed a Royal Commission on Canals and inland Waterways to consider and report on the desirability of re-establishing a means of transit which has been carelessly allowed to be stifled.

There are also other important problems which might be passed under review. There is, for instance, the serious and growing incubus of Rates and Taxes, which fall with especial severity upon industry. It is no exaggeration of language to say that imperial and local taxation, which have been advancing by leaps and bounds in recent years, operate as a great drag on the wheels of trade. From a memorandum which appears in another part of this volume it will be seen that the taxation of the country distributed evenly over the whole population would amount to a sum exceeding nine shillings per family of five per week.

Then there is the subject of industrial legislation. For traders the trend of legislation is disquieting, and whilst the fortitude of the commercial community, in view of pending dangers, is unexampled, the outlook is by no means promising, and it is essential that Chambers of Commerce should be constantly on the *qui vive*, so as to prevent unwise legislative experiments, which might seriously endanger the comparatively friendly relations which exist between capital and labour. To prevent any misconception as to my meaning I would like to make it clear that experience teaches us that Chambers of Commerce are ever ready and willing to advocate and support legislative proposals which are conceived on sound lines for the betterment of the industrial and social conditions of the working classes.

Finally, I may mention the subject of commercial education, for the proper development of which Chambers of Commerce have uniformly striven. The aim of the Birmingham Chamber of Commerce is to be intimately associated with the University of Birmingham, of which the Right Hon. J. Chamberlain, M.P., our most distinguished citizen, is Chancellor, and Sir Oliver Lodge the Principal. Our city is essentially a city of trade and traders, and it was perhaps only natural that the great modern University—the University of the business man and not the mere academician—should have been the first to establish a Faculty of Commerce, where the future leaders and organizers of industry should receive a thorough training of a higher and more effective character than had previously been possible. The Birmingham Chamber are desirous of founding a Scholarship of the value

of at least £45 per annum, in connection with this Faculty, and steps are now being taken for the purpose of completing the raising of the capital sum required for this purpose.

It only remains now to mention this volume. The Commercial Year Book is an unique feature in connection with a Chamber of Commerce. No other Chamber in the United Kingdom has a similar publication. The object is to promote the trade of the Birmingham and Midland district. Ten thousand copies of the first issue were distributed in every part of the world, and the success attained exceeded the most sanguine anticipations of the Council. That it filled a want is evidenced by the hundreds of letters of congratulation that have been received from all parts of the world.

FOREIGN TRADE OF THE UNITED KINGDOM.

No. 1.

Statement showing the Population of and the value of the total Imports and Exports of Merchandise into and from the United Kingdom since 1854.

NOTE.—The values of Imports are c.i.f., and the values of Exports f.o.b.

Years.	Population. Millions.	Imports. Million £'s.	EXPORTS. British. Million £'s.	EXPORTS. Foreign and Colonial. Million £'s.	Total Exports. Million £'s.	Total Imports and Exports. Million £'s.
1854	27.7	152	97	19	116	268
1855	27.8	143	96	21	117	260
1856	28.0	172	116	23	139	311
1857	28.2	188	122	24	146	334
1858	28.4	164	117	23	140	304
1859	28.6	179	130	25	156	334
1860	28.8	210	136	29	165	375
1861	29.0	217	125	35	160	377
1862	29.2	226	124	42	166	392
1863	29.4	249	147	50	197	446
1864	29.7	275	160	52	212	487
1865	29.9	271	166	53	219	490
1866	30.1	295	189	50	239	534
1867	30.4	275	181	45	226	501
1868	30.7	295	179	48	227	522
1869	30.9	295	190	47	237	532
1870	31.2	303	200	44	244	547
1871	31.6	331	223	61	284	615
1872	31.9	355	256	58	314	669
1873	32.1	371	255	56	311	682
1874	32.5	370	240	58	298	668
1875	32.8	374	223	58	281	655
1876	33.2	375	201	56	257	632
1877	33.6	394	199	54	253	647
1878	33.9	369	193	52	245	614
1879	34.3	363	192	57	249	612
1880	34.6	411	223	63	286	697
1881	34.9	397	234	63	297	694
1882	35.2	413	242	65	307	720
1883	35.4	427	240	65	305	732
1884	35.7	390	233	63	296	686
1885	36.0	371	213	58	271	642
1886	36.3	350	213	56	269	619
1887	36.6	362	222	59	281	643
1888	36.9	388	234	64	298	686
1889	37.2	428	249	67	316	744
1890	37.5	421	263	65	328	749
1891	37.8	435	247	62	309	744
1892	38.1	424	*227	*64	291	715
1893	38.5	405	218	59	277	682
1894	38.9	408	216	58	274	682
1895	39.3	417	226	60	286	703
1896	39.6	442	240	56	296	738
1897	40.0	451	234	60	294	745
1898	40.4	470	233	61	294	764

FOREIGN TRADE OF THE UNITED KINGDOM—*continued.*

Years.	Population. Millions.	Imports. Million £'s.	EXPORTS. British. Million £'s.	Foreign and Colonial. Million £'s.	Total Exports. Million £'s.	Total Imports and Exports. Million £'s.
1899	40.8	485	†255	65	†320	†805
1900	41.1	523	†283	63	†346	†869
1901	41.5	522	†271	68	†339	†861
1902	41.9	528	†277	66	†343	†871
1903	42.3	543	†286	69	†355	†898
1904	42.7	551	†297	70	†367	†918
1905	43.2	565	†325	78	†403	†968
1906	43.6	608	†367	85	†452	†1060

NOTE.—The above accounts are exclusive of bullion and specie, and of Foreign merchandise transhipped under bond.

* Tobacco manufactured in bond was included with the Exports of Foreign and Colonial Produce prior to 1892; in that and subsequent years it has been included under the head of British produce.

† Excluding the value of ships and boats (new) with their machinery, which were not recorded in the returns previous to 1899. In 1899 the value of ships exported was £9.2 millions; in 1900, £8.5 millions; in 1901, £9.1 millions; in 1902, £5.8 millions; in 1903, £4.2 millions; in 1904, £4.5 millions; in 1905, £5.4 millions; in 1906, £8.7 millions.

No. 2.

Statement showing the Total Value of the Imports of Merchandise into the United Kingdom, and the Amount imported from Foreign Countries and British Possessions, respectively, since 1854.

Years.	Total Imports. Million £'s.	From Foreign Countries. Million £'s	From British Possessions. Million £'s.	Years.	Total Imports. Million £'s.	From Foreign Countries. Million £'s.	From British Possessions. Million £'s.
1854	152	118	34	1880	411	319	92
1855	143	110	33	1881	397	305	92
1856	172	129	43	1882	413	314	99
1857	188	142	46	1883	427	328	99
1858	164	126	38	1884	390	294	96
1859	179	140	39	1885	371	287	84
1860	210	167	43	1886	350	268	82
1861	217	165	52	1887	362	278	84
1862	226	161	65	1888	388	301	87
1863	249	164	85	1889	427	330	97
1864	275	181	94	1890	421	325	96
1865	271	198	73	1891	435	336	99
1866	295	223	72	1892	424	326	98
1867	275	214	61	1893	405	313	92
1868	295	228	67	1894	408	314	94
1869	295	225	70	1895	417	321	96
1870	303	238	65	1896	442	349	93
1871	331	258	73	1897	451	357	94
1872	355	275	80	1898	471	371	100
1873	371	290	81	1899	485	378	107
1874	370	288	82	1900	523	414	109
1875	374	290	84	1901	522	416	106
1876	375	291	84	1902	528	421	107
1877	394	305	89	1903	543	429	114
1878	369	291	78	1904	551	431	120
1879	363	284	79	1905	565	437	128

NOTE.—The value of Diamonds imported from the Cape of Good Hope is not included in the total Imports.

No. 3.

Statement showing the Total Value of the Exports of British and Irish and Foreign and Colonial Produce (Merchandise only) from the United Kingdom and the Amount Exported to Foreign Countries and British Possessions respectively since 1854.

Years.	Total Exports. Million £'s.	To Foreign Countries. Million £'s.	To British Possessions. Million £'s.	Years.	Total Exports. Million £'s.	To Foreign Countries. Million £'s.	To British Possessions. Million £'s.
1854	116	79	37	1880	286	205	81
1855	117	88	29	1881	297	210	87
1856	139	103	36	1882	306	214	92
1857	146	106	40	1883	305	215	90
1858	140	97	43	1884	296	208	88
1859	156	106	50	1885	271	186	85
1860	165	118	47	1886	269	187	82
1861	160	115	45	1887	281	199	82
1862	166	121	45	1888	298	207	91
1863	197	142	55	1889	316	225	91
1864	213	157	56	1890	328	234	94
1865	219	167	52	1891	309	216	93
1866	239	182	57	1892	291	210	81
1867	226	173	53	1893	277	198	79
1868	228	174	54	1894	274	195	79
1869	237	185	52	1895	286	210	76
1870	244	189	55	1896	296	206	90
1871	284	228	56	1897	294	207	87
1872	315	249	66	1898	294	204	90
1873	311	240	71	1899	*320	*226	*94
1874	298	220	78	1900	*346	*245	*101
1875	282	205	77	1901	*339	*226	*113
1876	257	187	70	1902	*343	*227	*116
1877	252	176	76	1903	*356	*238	*118
1878	245	173	72	1904	*367	*247	*119
1879	249	182	67	1905	*403	*281	*122

* Excluding the value of ships and boats (new) with their machinery, which were not recorded in the official returns previous to 1899.

No. 4.

Statement showing the Total Value of the Exports of British and Irish Produce (Merchandise only) from the United Kingdom, and the Amounts exported to Foreign Countries and British Possessions respectively since 1854.

Years.	Total Exports. Million £'s.	To Foreign Countries. Million £'s.	To British Possessions. Million £'s.	Years.	Total Exports. Million £'s.	To Foreign Countries. Million £'s.	To British Possessions. Million £'s.
1854	97	63	34	1863	147	96	51
1855	96	69	27	1864	160	109	51
1856	116	83	33	1865	166	118	48
1857	122	85	37	1866	189	135	54
1858	117	77	40	1867	181	131	50
1859	130	84	46	1868	179	129	50
1860	136	92	44	1869	190	142	48
1861	125	83	42	1870	200	148	52
1862	124	82	42	1871	223	172	51

No. 4—*continued.*

Years.	Total Exports. Million £'s.	To Foreign Countries. Million £'s.	To British Possessions. Million £'s.	Years.	Total Exports. Million £'s.	To Foreign Countries. Million £'s	To British Possessions. Million £'s.
1872	256	196	60	1889	249	166	83
1873	255	189	66	1890	263	176	87
1874	240	168	72	1891	247	161	86
1875	223	152	71	1892	227	152	75
1876	201	136	65	1893	218	146	72
1877	199	129	70	1894	216	143	73
1878	193	127	66	1895	226	156	70
1879	192	131	61	1896	240	156	84
1880	223	148	75	1897	234	153	81
1881	234	155	79	1898	233	150	83
1882	242	157	85	1899	*255	*168	*87
1883	240	156	84	1900	*283	*189	*94
1884	233	152	81	1901	*271	*167	*104
1885	213	135	78	1902	*277	*170	*107
1886	213	137	76	1903	*287	*177	*110
1887	222	147	75	1904	*297	*188	*109
1888	234	150	84	1905	*324	*212	*112

* Excluding the value of ships and boats (new) with their machinery, which were not included in the official returns previous to 1899.

IMPORTS OF THE UNITED KINGDOM.

Statement showing the value of the Total Imports of Merchandise into the United Kingdom from the Principal and other Foreign Countries and British Possessions during the years 1901-1905.

NOTE.—Throughout this Table the Imports are credited as received from the country whence they were shipped direct to the United Kingdom. In the majority of cases the country of shipment is also the country of origin, but it should be borne in mind that this is not always the case and that to a greater or smaller extent merchandise originating in one country is credited in this Table to other countries at whose ports it has been transhipped or through whose territories it has been conveyed by rail for shipment to the United Kingdom. In a subsequent Table the figures are given in another form for 1905, the imports being credited to the country of consignment and not the country of shipment.

Countries.	1901. Thousand £'s.	1902. Thousand £'s.	1903. Thousand £'s.	1904. Thousand £'s.	1905. Thousand £'s.
Foreign.					
Russia	21,904	25,674	30,933	31,403	33,366
Sweden	9,788	9,568	10,340	9,707	9,828
Norway	5,564	5,409	5,726	5,644	5,955
Denmark, Iceland and Greenland	14,440	15,729	16,796	16,102	15,607
Germany	32,207	33,634	34,533	33,944	38,800
,, Possessions in West Africa	112	115	97	88	69
Holland	32,872	34,843	34,974	34,690	35,481
,, Java and other Possessions in Indian Seas ..	319	258	707	1,357	2,129
Belgium	24,666	26,539	27,792	27,536	27,751
France	51,213	50,643	49,347	51,107	53,073
,, Algeria	698	603	569	614	749
,, Possessions in West Africa	406	420	622	813	755
,, French Indo-China (including Cochin China, Camboja, Annam, and Tonquin) ..	136	292	120	162	137

IMPORTS OF THE UNITED KINGDOM—*continued.*

Countries.	1901. Thousand £'s.	1902. Thousand £'s.	1903. Thousand £'s.	1904. Thousand £'s.	1905. Thousand £'s.
France, West India Islands ..	0.3	0.5	0.1	0.8	0.2
Portugal	3,305	3,411	3,370	2,864	2,930
,, Azores and Madeira	144	146	157	137	154
,, Possessions in West Africa	54	60	48	66	50
,, Possessions in East Africa	48	45	78	88	96
Spain	14,040	14,286	13,959	13,672	13,859
,, Canary Islands ..	1,110	1,267	1,468	1,543	1,655
Italy	3,384	3,582	3,442	3,325	3,325
Austria-Hungary	1,191	1,340	2,544	1,817	1,489
Greece	1,466	1,650	1,432	1,264	1,328
Bulgaria	114	458	223	287	71
Roumania	3,994	7,962	4,233	3,137	1,690
Turkey	5,727	6,115	5,868	5,754	5,491
Egypt	11,906	13,765	12,984	14,302	14,976
Tripoli and Tunis	491	493	561	627	581
Morocco	537	700	559	505	467
Congo Free State	18	15	21	17	16
Persia	200	211	176	279	151
Siam	51	89	135	102	323
China (exclusive of Hong Kong and Macao)	2,116	2,407	2,679	2,762	2,340
Japan	1,830	1,899	2,276	2,349	1,860
Philippine Islands and Guam	2,702	2,251	1,986	2,338	1,889
Islands in Pacific not elsewhere stated	241	248	212		
United States	141,015	126,962	122,113	119,227	115,573
Cuba and Porto Rico ..	38	43	334	180	163
Mexico	263	305	738	595	881
Central American States ..	911	640	718	1,282	1,257
Haiti and St. Domingo ..	55	61	50	67	31
Colombia	505	360	562	670	295
Panama					42
Venezuela	103	45	62	171	205
Ecuador	208	249	147	159	170
Brazil	4,958	6,208	6,736	6,238	8,109
Uruguay	474	653	878	591	818
Argentine Republic	12,415	14,022	19,144	23,035	25,034
Chile	4,313	4,524	4,598	5,423	6,068
Peru	1,813	1,351	1,623	2,372	2,367
Western Coast of Africa ..	95	88	85	72	68
Other Countries	140	107	176	262	329
British Possessions :—					
Channel Islands	1,362	1,404	1,655	1,586	1,667
Gibraltar	42	33	25	29	39
Malta and Gozo	84	56	65	48	41
Canada	19,855	22,965	26,670	22,621	25,696
Newfoundland, including Labrador	532	643	614	517	508

IMPORTS OF THE UNITED KINGDOM—*continued.*

Countries.	1901. Thousand £'s.	1902. Thousand £'s.	1903. Thousand £'s.	1904. Thousand £'s.	1905. Thousand £'s.
Bermudas	2	3	4	5	7
British West India Islands ..	1,838	2,149	1,609	1,895	1,972
British Guiana..	442	540	414	488	554
British Honduras	198	188	127	174	186
Australia	24,218	19,734	17,058	23,569	26,969
New Zealand	10,595	10,884	13,454	12,742	13,391
British India	27,392	28,724	32,305	36,472	36,062
Straits Settlements	6,112	6,053	5,893	6,284	6,836
Ceylon	4,477	4,387	4,354	4,135	4,478
Hong Kong	603	610	583	467	386
Mauritius and Dependencies ..	318	243	210	279	186
Aden and Dependencies ..	155	175	135	138	201
Eastern Coast of Africa, Territories under British influence	103	126	154	196	183
Natal	575	530	594	524	632
Cape of Good Hope	4,557	5,124	5,202	4,933	4,909
Niger Protectorate	1,165	1,164	1,207	1,430	1,341
Lagos	264	381	338	323	301
The Gold Coast	373	298	430	525	520
Sierra Leone and Gambia ..	153	148	168	180	206
Cyprus	111	123	194	167	133
Other Possessions	161	231	210	294	465

NOTES.—(1) Central American States under the heading of Foreign Countries, include Guatemala, Honduras, San Salvador, Nicaragua, and Costa Rica. (2) The value of diamonds imported from the Cape of Good Hope is not included in the above figures : the figures for the years named are as follows in million £ :—4.1 (1899), 3.4 (1900), 4.9 (1901), 5.3 (1902), 5.4 (1903), 5.4 (1904), 6.7 (1905).

EXPORTS OF THE UNITED KINGDOM.

Statement showing the Declared Value of (1) British and Irish and (2) Foreign and Colonial Produce respectively exported from the United Kingdom to various Foreign Countries and British Possessions (exclusive of Bullion and Specie) during the years 1901-1905.

NOTE.—Exports as a rule are credited in this Table to the country of ultimate destination. Exports, however, to Switzerland and Bolivia, which possess no seaboard, are credited to the country in which the port of discharge is situated. In a subsequent Table the figures are given in another form, exports being credited to the country of ultimate destination as far as practicable in every case.

NOTE.—B. and I. indicate "British and Irish," and F. and C. indicate "Foreign and Colonial."

Countries.	Nature of Exports.	1901. Thousand £'s.	1902. Thousand £'s.	1903. Thousand £'s.	1904. Thousand £'s.	1905. Thousand £'s.
Foreign.						
Russia	B. and I.	8,673	8,635	9,114	8,229	8,169
	F. and C.	5,538	5,257	7,049	7,056	6,715
Sweden	B. and I.	4,457	4,275	4,426	4,770	5,194
	F. and C.	982	766	876	759	822
Norway	B. and I.	3,243	2,919	2,775	2,963	3,341
	F. and C.	598	417	406	360	372
Denmark, Iceland & Greenland	B. and I.	3,683	3,702	4,078	3,668	4,129
	F. and C.	557	421	415	363	480

EXPORTS OF THE UNITED KINGDOM—*continued.*

Countries.	Nature of Exports.	1901. Thousand £'s.	1902. Thousand £'s.	1903. Thousand £'s.	1904. Thousand £'s.	1905. Thousand £'s.
Denmark, Danish West Indies	F. and C.	3	3	3	3	2
Germany	B. and I.	23,574	22,850	23,551	25,103	29,704
	F. and C.	10,647	10,244	10,966	11,325	13,037
,, Possessions in West Africa	B. and I.	77	111	122	119	176
	F. and C.	13	17	13	11	11
Holland	B. and I.	9,089	8,446	8,686	8,200	9,684
	F. and C.	4,655	4,625	5,354	4,709	4,833
,, Java and other Possessions in Indian Seas ..	B. and I.	2,341	2,418	2,543	3,374	3,536
	F. and C.	25	18	15	105	23
Belgium	B. and I.	8,156	8,410	8,798	9,052	10,056
	F. and C.	4,468	4,210	3,949	4,423	4,763
France..	B. and I.	16,472	15,587	15,800	15,254	16,143
	F. and C.	7,229	6,688	7,347	6,448	7,090
,, Algeria	B. and I.	438	416	546	458	553
	F. and C.	2	3	3	3	1
,, Possessions in West Africa	B. and I.	530	554	799	714	828
	F. and C.	35	29	25	28	23
,, West India Islands ..	B. and I.	94	53	57	47	38
	F. and C.	37	4	13	25	25
Portugal	B. and I.	1,711	1,841	2,036	2,068	2,248
	F. and C.	383	418	421	607	578
,, Azores and Madeira	B. and I.	912	311	250	231	186
	F. and C.	32	22	23	27	31
,, Possessions in West Africa	B. and I.	489	287	346	456	447
	F. and C.	—	—	—	—	—
,, Possessions in East Africa	B. and I.	698	1,307	2,515	1,745	2,503
	F. and C.	39	89	108	83	118
Spain	B. and I.	4,827	4,785	4,574	4,338	4,246
	F. and C.	628	581	671	573	596
,, Canary Islands ..	B. and I.	820	737	783	857	828
	F. and C.	70	71	65	102	103
,, Possessions in West Africa	F. and C.	5	4	2	4	3
Italy	B. and I.	7,613	7,410	7,801	8,371	8,893
	F. and C.	681	684	671	851	894
Austria-Hungary	B. and I.	2,141	1,923	1,744	1,894	1,857
	F. and C.	698	588	672	674	747
Greece	B. and I.	1,679	1,716	1,566	1,478	1,170
	F. and C.	66	69	83	82	82
Bulgaria	B. and I.	284	302	325	504	569
	F. and C.	63	59	66	79	81
Roumania	B. and I.	1,023	1,224	915	1,056	1,237
	F. and C.	73	128	53	96	68
Turkey	B. and I.	6,797	6,050	5,535	7,347	6,692
	F. and C.	321	286	243	240	288

EXPORTS OF THE UNITED KINGDOM—*continued.*

Countries.	Nature of Exports.	1901. Thousand £'s.	1902. Thousand £'s.	1903. Thousand £'s.	1904. Thousand £'s.	1905. Thousand £'s.
Egypt	B. and I.	6,315	6,162	6,440	8,273	7,849
	F. and C.	104	107	120	158	221
Tripoli and Tunis	B. and I.	392	401	446	463	419
	F. and C.	12	13	17	18	19
Morocco	B. and I.	759	849	691	675	587
	F. and C.	152	193	198	256	152
Persia	B. and I.	548	370	419	435	473
	F. and C.	35	15	24	21	15
Siam	B. and I.	252	251	296	618	533
	F. and C.	5	3	5	6	12
China (exclusive of Hong Kong and Macao)	B. and I.	6,774	7,142	6,741	8,809	13,137
	F. and C.	54	47	57	81	162
Japan	B. and I.	8,132	5,066	4,592	4,889	9,663
	F. and C.	77	211	126	154	135
Philippine Islands and Guam	B. and I.	863	814	663	1,415	2,131
	F. and C.	51	41	43	119	299
Islands in Pacific not elsewhere stated	B. and I.	66	461	993	95	84
	F. and C.	6	8	3	1	—
United States..	B. and I.	18,394	23,761	22,605	20,198	23,916
	F. and C.	19,257	19,320	19,000	19,075	23,336
Cuba and Porto Rico.. ..	B. and I.	1,261	1,229	1,533	1,873	1,928
	F. and C.	763	495	541	719	844
Mexico	B. and I.	1,551	2,171	1,840	1,870	1,880
	F. and C.	123	173	158	206	152
Central America	B. and I.	831	719	689	1,003	968
	F. and C.	23	15	11	18	23
Haiti and St. Domingo ..	B. and I.	210	196	283	309	292
	F. and C.	6	3	2	4	10
Colombia†	B. and I.	915	594	761	944	575
	F. and C.	22	14	21	30	16
Panama	B. and I.					175
	F. and C.					21
Venezuela	B. and I.	509	309	612	722	476
	F. and C.	5	3	3	4	4
Ecuador	B. and I.	285	311	334	331	436
	F. and C.	8	10	8	9	14
Brazil	B. and I.	4,152	5,390	5,606	5,988	6,618
	F. and C.	288	260	231	245	298
Uruguay	B. and I.	1,323	1,532	1,620	1,349	2,020
	F. and C.	45	48	72	62	78
Argentine Republic	B. and I.	6,752	5,871	8,011	10,847	13,003
	F. and C.	221	251	592	727	381
Chile	B. and I.	3,231	2,839	3,009	3,259	4,462
	F. and C.	196	224	323	273	321
Peru	B. and I.	991	948	965	1,146	1,203
	F. and C.	134	102	127	141	112
Western Coast of Africa* ..	B. and I.	213	182	214	195	196
	F. and C.	44	42	18	27	27
Other Foreign Countries ..	B. and I.	609	495	604	767	932
	F. and C.	28	26	26	69	36

* "Western Coast of Africa" under the heading of "Foreign Countries" is exclusive of such German and French Possessions as are separately distinguished.
† Colombia includes Panama prior to 1905.

EXPORTS OF THE UNITED KINGDOM—*continued.*

Countries.	Nature of Exports.	1901. Thousand £'s.	1902. Thousand £'s.	1903. Thousand £'s.	1904. Thousand £'s.	1905. Thousand £'s.
British Possessions :—						
Channel Islands	B. and I.	930	1,003	1,093	1,105	1,109
	F. and C.	228	223	229	216	212
Gibraltar	B. and I.	771	788	939	950	765
	F. and C.	84	75	76	87	98
Malta and Gozo	B. and I.	1,143	1,196	1,042	1,158	1,076
	F. and C.	138	131	126	115	117
Canada	B. and I.	7,785	10,345	11,113	10,624	11,909
	F. and C.	1,545	1,721	1,692	1,693	1,927
Newfoundland	B. and I.	358	375	392	488	432
	F. and C.	(Included in Canadian figures.)				
Bermudas	B. and I.	145	171	198	221	167
	F. and C.	18	24	22	28	24
West India Islands and Guiana	B. and I.	2,472	2,628	2,736	2,558	2,639
	F. and C.	334	296	332	415	400
British Honduras	B. and I.	60	60	80	82	76
	F. and C.	18	17	17	17	19
Australia	B. and I.	21,356	19,530	16,144	17,336	16,991
	F. and C.	2,157	1,999	1,985	2,505	2,485
New Zealand	B. and I.	5,599	5,678	6,361	6,315	6,426
	F. and C.	469	481	593	582	569
Fiji Islands	B. and I.	58	137	34	37	35
	F. and C.	—	—	—	—	—
British India	B. and I.	34,978	32,682	34,477	40,641	42,996
	F. and C.	768	809	843	903	1,365
Straits Settlements	B. and I.	3,204	2,745	3,126	3,129	3,264
	F. and C.	79	60	74	54	57
Ceylon	B. and I.	1,535	1,446	1,440	1,411	1,368
	F. and C.	60	63	72	55	67
Hong Kong	B. and I.	2,613	2,136	2,720	4,336	3,717
	F. and C.	185	138	172	239	125
Mauritius and Dependencies	B. and I.	989	399	433	420	370
	F. and C.	39	38	43	53	29
Aden and Dependencies ..	B. and I.	466	240	327	307	246
	F. and C.	6	8	22	20	16
East Coast of Africa (Territories under British influence)	B. and I.	160	183	161	288	441
	F. and C.	15	11	19	29	21
Natal	B. and I.	5,463	7,699	7,611	5,484	5,843
	F. and C.	591	586	502	482	483
Cape of Good Hope	B. and I.	11,692	16,738	17,676	12,049	10,517
	F. and C.	1,193	1,420	1,221	1,039	996
Niger Protectorate	B. and I.	651	691	820	872	949
	F. and C.	132	139	129	131	115
Lagos	B. and I.	473	574	510	500	691
	F. and C.	45	37	27	33	33
The Gold Coast	B. and I.	855	1,029	1,054	951	762
	F. and C.	144	145	84	84	58
Sierra Leone and Gambia ..	B. and I.	367	443	475	430	395
	F. and C.	48	32	30	35	35
Cyprus	B. and I.	85	63	84	129	138
	F. and C.	4	4	3	6	5
Other Possessions	B. and I.	663	112	101	116	115
	F. and C.	33	29	22	24	20

IMPORTS (CONSIGNMENTS).

Statement showing the value of Merchandise IMPORTED from, and CONSIGNED from, the principal and other Foreign Countries and British Possessions, and the value of the Merchandise consigned from each Country RE-EXPORTED from, and RETAINED in, the United Kingdom during the year 1905.

(Exclusive of Bullion and Specie.)

Countries.	Value of Merchandise Imported from each Foreign Country and British Possession.	Value of Merchandise consigned from each Foreign Country and British Possession. Total Value.	Value of the Consignments from each Country re-exported.	Net Value of the Consignments from each Country retained in the United Kingdom.
FOREIGN.	£	£	£	£
Russia	33,366,234	34,519,685	1,433,393	33,086,292
Sweden	9,827,993	10,460,099	403,976	10,056,123
Norway	5,954,870	5,748,404	528,692	5,219,712
Denmark (including Faröe Islands, Iceland, and Greenland)	15,606,991	15,241,450	253,902	14,987,548
Germany...	35,799,758	53,838,546	2,892,025	50,946,521
Possessions in Western Africa ...	68,833	110,871	74,208	36,663
Netherlands	35,481,059	15,176,230	1,868,435	13,307,795
Java and other Possessions in the Indian Seas	2,129,479	2,604,268	166,593	2,437,675
Belgium	27,751,288	16,669,007	764,938	15,904,069
France	53,072,900	46,457,896	4,976,513	41,481,383
Algeria	748,781	763,045	54,385	708,660
Possessions in Western Africa ...	755,139	860,449	313,599	546,850
French Indo-China (including Cochin China, Camboja, Annam, and Tonquin)	137,316	140,820	24,578	116,242
West India Islands	26	10,876	64	10,812
Portugal	2,929,634	2,673,668	357,867	2,315,801
Azores and Madeira	154,246	154,510	131,029	23,481
Possessions in Western Africa ...	50,000	229,112	32,175	196,937
Possessions in Eastern Africa ...	96,180	105,622	39,778	65,844
Spain	13,858,631	14,133,120	954,459	13,178,661
Canary Islands	1,654,647	1,654,931	43,872	1,611,059
Switzerland	...	7,658,842	817,033	6,841,809
Italy	3,324,595	6,341,876	579,298	5,762,578
Austria-Hungary	1,488,604	6,524,157	287,678	6,236,479
Greece	1,328,234	1,376,979	89,528	1,287,451
Bulgaria	71,316	100,771	2,949	97,822
Roumania	1,689,513	1,270,519	4,601	1,265,918

IMPORTS (CONSIGNMENTS)—*continued.*

		VALUE OF MERCHANDISE CONSIGNED FROM EACH FOREIGN COUNTRY AND BRITISH POSSESSION.		
COUNTRIES.	Value of Merchandise Imported from each Foreign Country and British Possession.	TOTAL VALUE.	Value of the Consignments from each Country re-exported.	Net Value of the Consignments from each Country retained in the United Kingdom.
FOREIGN.	£	£	£	£
Turkey	5,491,443	5,306,333	714,670	4,591,663
Egypt	14,976,188	14,981,470	2,492,079	12,489,391
Tripoli	323,439	326,933	1,828	325,105
Tunis	257,636	260,819	1,650	259,169
Morocco	467,314	473,115	184,024	289,091
Congo Free State	16,432	57,875	109,939	*52,064
Persia	151,098	451,390	446,173	5,217
Siam	322,682	386,732	34,649	352,083
China (exclusive of Hong Kong and Macao)	2,340,346	2,450,419	1,488,816	961,603
Japan (including Formosa)	1,860,313	1,972,450	389,296	1,583,154
Philippine Islands and Guam	1,889,302	1,902,904	819,213	1,083,691
Islands in the Pacific not elsewhere stated	296,797	305,224	6,958	298,266
United States of America	115,573,051	114,669,797	9,237,198	105,432,598
Cuba and Porto Rico	163,137	1,293,892	94,821	1,199,071
Mexico	881,096	2,324,245	128,969	2,195,276
Central American States	1,257,478	1,664,055	793,216	870,839
Hayti and St. Domingo	31,354	103,630	10,735	92,895
Colombia and Panama	337,014	467,987	388,546	79,441
Venezuela	204,778	227,984	39,249	188,735
Ecuador	170,231	279,437	65,931	213,506
Brazil	8,109,208	8,246,873	5,265,515	2,981,358
Uruguay	818,368	882,407	144,935	737,472
Argentine Republic	25,034,325	25,430,163	1,021,247	24,408,916
Chile	6,068,031	5,371,216	765,236	4,605,980
Peru	2,367,204	2,738,483	451,732	2,286,751
Bolivia	...	447,264	244,310	202,954
Western Coast of Africa	67,537	72,370	31,221	41,149
Other Foreign Countries	329,122	446,800	222,880	223,920
TOTAL OF FOREIGN COUNTRIES ...	437,151,191	438,368,020	42,690,605	395,677,415

* Re-exports in excess of Imports.
† Includes the States of Guatemala, Honduras, San Salvador, Nicaragua, and Costa Rica.

IMPORTS (CONSIGNMENTS)—*continued.*

COUNTRIES.	Value of Merchandise Imported from each Foreign Country and British Possession.	VALUE OF MERCHANDISE CONSIGNED FROM EACH FOREIGN COUNTRY AND BRITISH POSSESSION. TOTAL VALUE.	Value of the Consignments from each Country re-exported.	Net Value of the Consignments from each Country retained in the United Kingdom.
BRITISH POSSESSIONS.	£	£	£	£
Channel Islands	1,666,614	1,662,366	7,154	1,655,212
Gibraltar...	38,985	40,723	1,934	38,789
Malta and Gozo	41,158	40,313	3,372	36,941
Canada	25,695,898	24,485,632	1,145,044	23,340,588
Newfoundland (including Labrador) ...	508,307	512,265	180,520	331,745
Bermudas	6,512	7,089	741	6,348
British West India Islands (including Bahamas)	1,971,654	1,973,643	421,492	1,552,151
British Guiana	553,663	572,915	46,784	526,131
British Honduras	185,509	186,634	41,868	144,766
Australia...	26,968,977	26,995,126	9,192,152	17,802,974
New Zealand	13,391,222	13,393,973	2,773,733	10,620,240
British India	36,062,291	36,039,789	10,540,603	25,499,186
Straits Settlements & Dependencies ...	6,835,775	6,767,127	4,198,152	2,568,975
Ceylon and Dependencies	4,477,950	4,484,401	1,222,220	3,262,181
Hong Kong	386,440	341,424	78,468	262,956
Mauritius and Dependencies	153,532	154,541	37,482	117,059
Aden and Dependencies	200,637	209,154	87,137	122,017
Eastern Coast of Africa :— Territories under British Influence	183,292	199,411	183,848	15,563
Natal	632,346	618,937	361,597	257,340
Cape of Good Hope	4,909,116	4,897,425	2,496,089	2,401,336
Rhodesia...	...	20,469	77	20,392
Transvaal	...	8,541	2,830	5,711
Protectorate of Southern Nigeria ...	1,340,562	1,344,834	876,252	468,582
Lagos	301,360	301,666	165,529	136,137
The Gold Coast	520,492	532,359	455,745	76,614
Sierra Leone and Gambia	206,228	223,732	387,489	‡163,757
Cyprus	133,365	134,108	7,126	126,982
Other British Possessions	496,841	503,300	120,385	382,915
Total of British Possessions	127,868,726	126,651,897	35,035,823	91,616,074
Unknown Countries	...	...	53,485	‡53,485
TOTAL OF FOREIGN COUNTRIES AND BRITISH POSSESSIONS ...	565,019,917	565,019,917	72,779,913	487,240,004

‡ Re exports in excess of Imports.

NOTE.—The value of Diamonds imported from Cape of Good Hope is not included in Total Imports.

EXPORTS (CONSIGNMENTS).

Value of the Merchandise EXPORTED to, and CONSIGNED to, the Principal and other Foreign Countries and British Possessions.

(Exclusive of Bullion and Specie.)

	Produce and Manufacture of the United Kingdom.		Foreign and Colonial Merchandise.	
	1905.		1905.	
Countries.	Exported to each Foreign Country and British Possession.	Consigned to each Foreign Country and British Possession.	Exported to each Foreign Country and British Possession.	Consigned to each Foreign Country and British Possession.
FOREIGN.	£	£	£	£
Russia	8,169,454	8,169,454	6,714,596	6,714,596
Sweden	5,194,784	5,194,785	821,548	821,548
Norway	3,341,023	3,341,023	371,509	371,509
Denmark (including Faröe Islands, Iceland, and Greenland)	4,129,304	4,129,304	480,367	480,367
Germany...	29,704,449	29,702,290	13,037,851	13,035,903
Possessions in Western Africa ...	175,666	175,666	11,050	11,050
Netherlands	9,683,829	9,671,424	4,833,058	4,706,500
Java and other Possessions in the Indian Seas	3,535,851	3,535,851	22,711	22,711
Belgium	10,056,009	8,595,024	4,762,914	4,709,009
France	16,142,890	16,046,231	7,089,773	7,002,811
Algeria	552,642	552,642	1,422	1,422
Possessions in Western Africa ...	827,631	827,631	23,361	23,361
French Indo-China (including Cochin China, Camboja, Annam, and Tonquin)	65,696	65,696	1,159	1,159
West India Islands	38,041	38,041	25,110	25,110
Portugal	2,247,801	2,247,801	578,456	578,456
Azores and Madeira...	185,547	185,547	31,180	31,180
Possessions in Western Africa ...	447,169	447,169	10,966	10,966
Possessions in Eastern Africa ...	2,502,531	1,722,899	117,587	63,636
Spain	4,245,843	4,245,843	595,931	595,931
Canary Islands	827,677	827,677	102,739	102,739
Switzerland	...	1,571,464	—	271,178
Italy	8,892,876	8,892,622	894,430	892,625
Austria-Hungary	1,856,672	1,856,662	746,551	746,551
Greece	1,170,093	1,170,093	81,549	81,549
Bulgaria	568,683	568,683	81,078	81,078
Roumania	1,237,169	1,237,169	68,489	68,489

EXPORTS (CONSIGNMENTS)—*continued.*

	PRODUCE AND MANUFACTURE OF THE UNITED KINGDOM.		FOREIGN AND COLONIAL MERCHANDISE.	
	1905.		1905.	
COUNTRIES.	Exported to each Foreign Country and British Possession.	Consigned to each Foreign Country and British Possession.	Exported to each Foreign Country and British Possession.	Consigned to each Foreign Country and British Possession.
FOREIGN.	£	£	£	£
Turkey	6,691,570	6,691,570	287,577	287,577
Egypt	7,848,948	7,848,948	220,720	220,720
Tripoli	126,817	126,817	13,262	13,262
Tunis	292,494	292,494	5,358	5,358
Morocco	587,097	587,097	152,436	152,436
Congo Free State	129,559	129,559	6,686	6,686
Persia	473,026	473,026	15,153	15,153
Siam	532,872	532,872	11,650	11,650
China (exclusive of Hong Kong and Macao)	13,136,648	13,136,648	162,180	162,180
Japan (including Formosa)	9,661,896	9,661,896	135,004	135,004
Philippine Islands and Guam ...	2,130,850	2,130,850	299,110	299,110
Islands in the Pacific not elsewhere stated	83,659	83,659	222	222
United States of America	23,915,918	23,915,918	23,366,170	23,366,170
Cuba and Porto Rico	1,928,152	1,928,152	844,333	844,333
Mexico	1,879,719	1,879,719	151,541	151,541
‖ Central American States	967,610	967,610	23,204	23,204
Hayti and St. Domingo	292,432	292,432	9,661	9,661
Colombia and Panama	750,635	750,635	37,307	37,307
Venezuela	476,080	476,080	3,917	3,917
Ecuador	435,944	435,944	13,515	13,515
Brazil	6,618,181	6,613,378	298,436	297,022
Uruguay	2,020,312	2,012,885	78,220	78,190
Argentine Republic	13,002,611	12,997,341	381,224	381,094
Chile	4,461,521	4,394,599	320,861	317,522
Peru	1,201,823	1,174,648	111,598	110,132
Bolivia	...	112,605	...	6,379
Western Coast of Africa	66,695	66,695	12,685	12,685
Other Foreign Countries	866,404	866,404	37,389	37,389
TOTAL OF FOREIGN COUNTRIES ...	216,378,803	215,599,171	68,504,804	68,450,853

‖ Central American States include Guatemala, Honduras, San Salvador, Nicaragua, and Costa Rica.

EXPORTS (CONSIGNMENTS)—*continued.*

	PRODUCE AND MANUFACTURE OF THE UNITED KINGDOM.		FOREIGN AND COLONIAL MERCHANDISE.	
	1905.		1905.	
COUNTRIES.	Exported to each Foreign Country and British Possession.	Consigned to each Foreign Country and British Possession.	Exported to each Foreign Country and British Possession.	Consigned to each Foreign Country and British Possession.
BRITISH POSSESSIONS.	£	£	£	£
Channel Islands	1,109,099	1,109,099	212,349	212,349
Gibraltar...	765,222	765,222	97,949	97,949
Malta and Gozo	1,076,471	1,076,471	116,866	116,866
Canada	11,909,244	11,909,244	1,857,835	1,857,835
Newfoundland (including Labrador) ...	432,209	432,209	68,679	68,679
Bermudas	106,911	106,911	24,225	24,225
British West India Islands (including Bahamas)	2,012,355	2,012,355	302,154	302,154
British Guiana	626,476	626,476	97,864	97,864
British Honduras	75,729	75,729	18,951	18,951
Australia...	16,991,009	16,991,009	2,485,454	2,485,454
New Zealand	6,425,793	6,425,793	569,013	569,013
British India	42,996,388	42,996,388	1,364,765	1,364,765
Straits Settlements & Dependencies ...	3,264,198	3,264,198	56,995	56,995
Ceylon and Dependencies	1,368,469	1,368,469	66,810	66,810
Hong Kong	3,716,937	3,716,937	124,798	124,798
Mauritius and Dependencies	350,410	350,410	28,718	28,718
Aden and Dependencies	245,768	245,768	16,388	16,388
Eastern Coast of Africa :— Territories under British Influence ...	441,336	441,336	20,679	20,679
Natal	5,843,131	4,643,360	483,153	370,711
Cape of Good Hope	10,517,188	8,659,470	995,895	876,469
Rhodesia...	...	261,365	...	11,979
Orange River Colony	...	314,477	...	13,671
Transvaal	...	3,261,279	...	260,169
Protectorate of Southern Nigeria ...	948,706	948,706	114,916	114,916
Lagos	690,597	690,597	32,984	32,984
The Gold Coast	762,340	762,340	57,641	57,641
Sierra Leone and Gambia	395,004	395,004	34,722	34,722
Cyprus	138,142	138,142	4,560	4,560
Other British Possessions	168,679	168,679	20,746	20,746
TOTAL OF BRITISH POSSESSIONS	113,437,811	114,217,443	9,275,109	9,329,060
TOTAL OF FOREIGN COUNTRIES AND BRITISH POSSESSIONS ...	329,816,614	329,816,614	77,779,913	77,779,913

SUMMARIES OF IMPORTS AND EXPORTS.

No. 1.

Summary of the Value of the Imports of Merchandise from Foreign Countries and British Possessions (including Protectorates) respectively during the years 1901-1906.

Year.		Food, Drink, and Tobacco. Million £'s.	Raw Materials and Articles mainly unmanufactured. Million £'s.	Articles wholly or mainly manufactured. Million £'s.	Miscellaneous and unclassified (including parcel post). Million £'s.	Total. Million £'s.
1901	From Foreign Countries..	183.3	118.5	112.4	2.1	416
	,, British Possessions..	41.5	48.7	15.0	0.5	106
	Total ..	224.8	167.2	127.4	2.6	522
1902	From Foreign Countries..	181.1	119.6	118.8	2.0	421
	,, British Possessions..	43.3	49.4	13.6	0.5	107
	Total ..	224.4	169.0	132.4	2.5	528
1903	From Foreign Countries ..	181.7	125.0	120.4	1.8	429
	,, British Possessions..	50.6	48.5	14.1	0.4	114
	Total ..	232.3	173.5	134.5	2.2	543
1904	From Foreign Countries..	175.0	133.8	120.6	1.7	431
	,, British Possessions..	56.4	48.4	14.6	0.5	120
	Total ..	231.4	182.2	135.2	2.2	551
1905	From Foreign Countries..	172.9	136.0	126.5	1.7	437
	,, British Possessions..	59.2	52.1	16.0	0.5	128
	Total ..	232.1	188.1	142.5	2.2	565
1906	Total (details not available)	238.2	211.5	155.8	2.4	608

SUMMARIES OF IMPORTS AND EXPORTS—*continued.*

No. 2.

Summary of the Value of the Exports of Produce and Manufactures of the United Kingdom to Foreign Countries and British Possessions (including Protectorates) respectively during the years 1901-1906.

Year.		Food, Drink, and Tobacco. Million £'s.	Raw Materials and Articles mainly unmanufactured. Million £'s.	Articles wholly or mainly manufactured. Million £'s.	Miscellaneous and unclassified (including parcel post). Million £'s.	Total. Million £'s.
1901	To Foreign Countries ..	6.8	33.0	133.0	2.4	175
	,, British Possessions ..	8.8	3.3	90.9	1.9	105
	Total ..	15.6	36.3	223.9	4.3	280
1902	To Foreign Countries ..	8.0	31.4	132.5	2.4	174
	,, British Possessions ..	9.1	3.2	95.0	1.8	109
	Total ..	17.1	34.6	227.5	4.2	283
1903	To Foreign Countries ..	7.9	32.4	137.0	2.4	180
	,, British Possessions ..	8.5	3.0	97.8	1.8	111
	Total ..	16.4	35.4	234.8	4.2	291
1904	To Foreign Countries ..	8.8	32.2	145.4	2.3	189
	,, British Possessions ..	8.1	3.4	98.4	2.0	112
	Total ..	16.9	35.6	243.8	4.3	301
1905	To Foreign Countries ..	11.1	32.8	169.6	2.9	216
	,, British Possessions ..	8.3	2.7	100.1	2.1	113
	Total ..	19.4	35.5	269.7	5.0	329
1906	Total (details not available)	21.1	43.3	305.6	5.7	376

SUMMARIES OF IMPORTS AND EXPORTS—*continued.*

No. 3.

Summary of the Value of the Exports of Foreign and Colonial Merchandise to Foreign Countries and British Possessions (including Protectorates) respectively during the years 1901-1906.

Year.		Food, Drink, and Tobacco. Million £'s.	Raw Materials and Articles mainly unmanufactured. Million £'s.	Articles wholly or mainly manufactured. Million £'s.	Miscellaneous and unclassified (including parcel post). Million £'s.	Total. Million £'s.
1901	To Foreign Countries ..	8.8	36.1	14.4	0.12	59
	,, British Possessions ..	3.3	0.9	4.0	0.03	8
	Total ..	12.1	37.0	18.4	0.15	67
1902	To Foreign Countries ..	6.8	37.1	13.2	0.21	57
	,, British Possessions ..	3.2	1.1	4.2	0.04	8
	Total ..	10.0	38.2	17.4	0.25	65
1903	To Foreign Countries ..	7.5	39.3	14.4	0.10	61
	,, British Possessions ..	2.7	1.1	4.4	0.03	8
	Total ..	10.2	40.4	18.8	0.13	69
1904	To Foreign Countries ..	8.3	38.0	15.1	0.9	62
	,, British Possessions ..	2.6	1.2	5.0	0.2	8
	Total ..	10.9	39.2	20.1	1.1	70
1905	To Foreign Countries ..	9.5	42.2	16.7	0.12	68
	,, British Possessions ..	2.5	1.6	5.0	0.01	9
	Total ..	12.0	43.8	21.7	0.13	77
1906	Total (details not available)	12.0	47.4	25.1	0.20	85

SUMMARIES OF IMPORTS AND EXPORTS—*continued.*

No. 4.

Detailed Summary of Imports of Merchandise into the United Kingdom from all sources during the years 1904-1906.

	1904. Thousand £'s.	1905. Thousand £'s.	1906. Thousand £'s.
I.—Food, Drink, and Tobacco :—			
A Grain and Flour	69,615	70,057	67,880
B Meat, including animals for Food	48,691	49,432	52,044
C Other food and drink			
(1) Non-dutiable	63,408	63,023	68,837
(2) Dutiable..	45,554	45,884	44,734
D Tobacco	4,523	3,722	4,734
Total	231,791	232,118	238,149
II.—Raw Materials and Articles mainly unmanufactured :—			
A Coal, Coke, and Patent Fuel	3	43	47
B Iron Ore, Scrap Iron and Steel	4,599	5,526	6,767
C Other Metallic Ores	6,599	7,611	9,041
D Wood and Timber	23,638	23,274	27,511
E Cotton	55,025	52,371	56,125
F Wool	23,317	26,649	30,540
G Other Textile Materials	13,038	14,512	17,026
H Oil Seeds, Nuts, Oils, Fats, and Gums ..	25,281	23,601	25,644
I Hides and Undressed Skins	6,571	8,085	10,699
J Materials for Paper Making	3,552	3,802	3,936
K Miscellaneous	20,587	22,633	24,172
Total	182,210	188,106	211,508
III.—Articles wholly or mainly manufactured :—			
A Iron and Steel and Manufactures thereof ..	8,216	8,589	8,360
B Other Metals and Manufactures thereof ..	20,955	21,841	28,229
C Cutlery, Hardware, Implements and Instruments	3,780	3,615	3,772
D Electrical Goods and Apparatus	845	1,010	1,188
E Machinery	4,314	4,538	5,127
F Ships (new)	26	33	28
G Manufactures of Wood and Timber (including furniture)	2,083	1,968	2,017
H Yarns and Textile Fabrics :—			
(1) Cotton	6,648	7,920	9,327
(2) Wool	11,429	12,524	12,076
(3) Other Materials..	19,386	19,244	20,081
I Apparel	3,426	3,952	3,785
J Chemicals, Drugs, Dyes and Colours.. ..	9,302	9,625	10,102
K Leather and Manufactures thereof (including Boots and Shoes, and Gloves)	10,894	11,038	12,745
L Earthenware and Glass	4,337	4,312	4,219
M Paper	4,941	5,256	5,729
N Miscellaneous	25,359	28,030	29,021
Total	135,941	143,495	155,806
IV.—Miscellaneous and Unclassified (including Parcel Post)	2,210	2,256	2,443
GRAND TOTAL ..	551,362	565,020	607,988

SUMMARIES OF IMPORTS AND EXPORTS—*continued.*

No. 5.

Detailed Summary of Exports of British and Irish Produce to all Countries during the years 1904-1906.

	1904. Thousand £'s.	1905. Thousand £'s.	1906. Thousand £'s.
I.—Food, Drink, and Tobacco :—			
A Grain and Flour	1,804	2,841	2,582
B Meat, including animals for Food	745	924	1,340
C Other Food and Drink	13,601	14,724	16,146
D Tobacco	776	982	1,061
Total	16,926	19,471	21,129
II.—Raw Materials and Articles mainly unmanufactured :—			
A Coal, Coke, and Patent Fuel	26,862	26,061	31,504
B Iron Ore, Scrap Iron, and Steel	500	473	596
C Other Metallic Ores	131	114	176
D Wood and Timber	68	77	92
E Cotton	—	—	—
F Wool	1,613	1,746	2,902
G Other Textile Materials	180	155	164
H Oil Seeds, Nuts, Oils, Fats, and Gums ..	2,759	2,592	2,827
I Hides and Undressed Skins	1,431	1,854	2,211
J Materials for Paper Making	428	536	714
K Miscellaneous	1,698	1,937	2,085
Total	35,670	35,545	43,271
III.—Articles wholly or mainly manufactured :—			
A Iron and Steel and Manufactures thereof ..	28,083	31,826	39,881
B Other Metals and Manufactures thereof ..	7,000	8,921	10,127
C Cutlery, Hardware, Implements, and Instruments	4,882	5,115	5,882
D Electrical Goods and Apparatus	1,607	2,432	2,382
E Machinery	21,082	23,260	26,733
F Ships (new)	4,460	5,431	8,685
G Manufactures of Wood and Timber (including furniture)	1,285	1,214	1,306
H Yarns and Textile Fabrics :—			
(1) Cotton	83,918	92,011	99,603
(2) Wool	27,494	29,917	31,845
(3) Other Materials	12,411	13,205	14,980
I Apparel	5,744	6,021	6,818
J Chemicals, Drugs, Dyes and Colours	13,652	14,537	15,527
K Leather and Manufactures thereof (including Boots and Shoes, and Gloves)	4,756	5,660	6,391
L Earthenware and Glass	3,117	3,206	3,662
M Paper	1,876	1,940	2,063
N Miscellaneous	23,316	25,952	29,727
Total	244,683	270,648	305,612
IV.—Miscellaneous and Unclassified (including Parcel Post)	4,279	5,032	5,664
GRAND TOTAL ..	300,818	329,817	375,673

SUMMARIES OF IMPORTS AND EXPORTS—*continued.*

No. 6.

Detailed Summary of the Exports of Foreign and Colonial Merchandise to all Countries during the years 1904-1906.

	1904. Thousand £'s.	1905. Thousand £'s.	1906. Thousand £'s.
I.—Food, Drink, and Tobacco :—			
A Grain and Flour	1,375	1,547	1,399
B Meat, including Animals for Food	719	813	800
C Other Food and Drink :—			
(1) Non-dutiable	3,560	3,915	4,063
(2) Dutiable	4,989	5,543	5,566
D Tobacco	245	221	221
Total	10,888	12,039	12,049
II.—Raw Materials and Articles mainly unmanufactured :—			
A Coal, Coke, and Patent Fuel	—	—	—
B Iron Ore, Scrap Iron, and Steel	27	47	27
C Other Metallic Ores	267	369	496
D Wood and Timber	641	688	909
E Cotton	7,243	6,989	7,101
F Wool	9,739	11,236	11,575
G Other Textile Materials	3,328	3,784	4,856
H Oil Seeds, Nuts, Oils, Fats, and Gums ..	4,569	4,596	4,753
I Hides and Undressed Skins	3,961	5,108	6,523
J Materials for Paper Making	148	153	166
K Miscellaneous	9,308	10,864	11,001
Total	39,231	43,835	47,407
III.—Articles wholly or mainly manufactured :—			
A Iron and Steel and Manufactures thereof ..	390	331	351
B Other Metals and Manufactures thereof ..	4,632	5,756	7,855
C Cutlery, Hardware, Implements, and Instruments	669	529	649
D Electrical Goods and Apparatus	58	74	122
E Machinery	881	1,135	1,523
F Ships (new)	5	13	10
G Manufactures of Wood and Timber (including Furniture)	170	182	179
H Yarns and Textile Fabrics :—			
(1) Cotton	969	1,396	2,631
(2) Wool	994	1,145	1,087
(3) Other Materials	3,996	3,781	3,176
I Apparel	405	369	438
J Chemicals, Drugs, Dyes and Colours.. ..	1,417	1,474	1,367
K Leather and Manufactures thereof (including Boots and Shoes, and Gloves)	1,638	1,490	1,975
L Earthenware and Glass	326	289	185
M Paper	116	91	122
N Miscellaneous	3,469	3,781	3,841
Total	20,135	21,836	25,511
IV.—Miscellaneous and Unclassified (including Parcel Post)	123	134	196
GRAND TOTAL ..	70,322	77,780	85,163

THE UNITED KINGDOM.

IMPORTS AND EXPORTS OF MANUFACTURED AND PARTLY MANUFACTURED GOODS.

Towards the close of 1904 the Board of Trade issued a Blue Book containing a series of Memoranda, Statistical Tables and Charts, with reference to British and Foreign Trade and industrial conditions. One of the most important documents included in the volume was a memorandum which contained an analysis of the statistics of imports and exports of manufactured articles into and from the United Kingdom. Many controversies had taken place on this important question, and few statisticians or economic disputants had been able to give any reliable data as to the exact character of British trade, that is to say, as to what proportion of it consisted of articles which might rightly be called "manufactured." This inability on the part of statisticians and economists was not due to any inefficiency on their part, but solely to the many defects and the want of consistency in British trade statistics.

Up to 1882, no distinction was made in the official trade statistics between "manufactured" and "unmanufactured" articles. In that year, however, on the motion of The Right Hon. C. T. Ritchie, Parliament ordered the preparation by the Board of Trade of a return showing the imports into and exports from the United Kingdom of "manufactured and partly manufactured" goods from 1854 to 1880. In 1885, a corresponding return continuing the particulars up to 1883 was issued. The calculation was kept up to date on the same basis in subsequent years, but no further figures were published until 1903.

From the year 1885 onwards, summaries were prefixed to the Monthly Trade Accounts classifying imports into the United Kingdom and exports of British produce under certain categories. These were not, however, identical for imports and exports, the import summaries containing a heading "manufactures," while "manufactured and partly manufactured" articles were grouped together in the export summaries.

The Board of Trade explained that the different classification formerly applied to imports and exports in the Monthly Trade Accounts was perhaps explicable at the time when it was first introduced by the great difference in the classes of the principal articles imported and exported respectively. Imports consisted mainly of raw materials and food, and exports mainly of manufactured articles. The character of British trade has, however, now changed considerably, and the Board of Trade stated that for some years past the discrepancy between the two modes of classification had been a source of growing inconvenience. Many complaints were made by Chambers of Commerce, by statisticians, economists, and others as to the difficulty of interpreting the returns, and at last the representations took effect.

In 1902 the Board of Trade in concert with the Customs Authorities determined on a thorough revision of the summaries prefixed to the Trade Accounts, with the result that from the beginning of 1903 the summaries of imports and exports have been identical both as regards their form and as regards the list of articles included under each category. Imports and exports are now classified into four principal groups :—

(1) Food, drink and tobacco.

(2) Raw materials and articles mainly unmanufactured.

(3) Articles wholly or mainly manufactured.

(4) Miscellaneous and unclassified (including parcel post).

The lists of articles included under these groups were drawn up with care, the test applied being the predominant characteristics of each group of articles, whether on the whole their affinities with raw products or manufactured goods seemed the stronger. The Memorandum of the Board of Trade continued: "No absolutely logical classification is possible because the terms used do not admit of precise definition. Nearly every commodity imported or exported has had some labour expended on it, and most of them have still to undergo some further manufacturing process. In a sense, nearly every article is 'manufactured,' and in a sense the majority of articles are 'raw materials.' Whether, therefore, the criterion be the amount of labour already expended or the amount of labour still remaining to be performed (criteria it may be remarked which lead in many cases to different modes of classification), no lists of articles can be framed which cannot be subjected to destructive criticism. As, however, uniformity is of great importance, it is thought that the best course is to adopt the revised classification both in the summaries of the official Trade Accounts and in all other official publications."

The following is the revised classification:—

REVISED CLASSIFICATION OF IMPORTS AND EXPORTS IN THE SUMMARIES NOW PREFIXED TO THE TRADE ACCOUNTS.

I.—Food, Drink, and Tobacco:

- A Grain and Flour.
- B Meat, including Animals for Food.
- C Other Food and Drink.
- D Tobacco.

II.—Raw Materials and Articles mainly unmanufactured:

- A Coal, Coke and Patent Fuel.
- B Iron Ore, Scrap Iron and Steel.
- C Other Metallic Ores.
- D Wood and Timber.
- E Cotton.
- F Wool.
- G Other Textile Materials.
- H Oil Seeds, Nuts, Oils, Fats, and Gums.
- I Hides and undressed Skins.
- J Materials for paper making.
- K Miscellaneous.

III.—Articles wholly or mainly manufactured:

- A Iron & Steel and Manufactures thereof.
- B Other Metals and Manufactures thereof.
- C Cutlery, Hardware, Implements, and Instruments.
- D Electrical Goods and Apparatus.
- E Machinery.
- F Ships (new).
- G Manufactures of wood and timber (including Furniture).
- H Yarns and Textile Fabrics—
  - (1) Cotton.
  - (2) Wool.
  - (3) Other Materials.
- I Apparel.
- J Chemicals, Drugs, Dyes and Colours.
- K Leather and Manufactures thereof (including Boots and Shoes and Gloves).
- L Earthenware and Glass.
- M Paper.
- N Miscellaneous.

IV.—Miscellaneous and Unclassified (including parcel post).

This revised classification was put into operation in 1903, and the accounts for that year contained corresponding figures calculated on the same basis for the four preceding years. The Board of Trade, however, deemed it to be a matter of some importance to bring the figures for earlier years into line. Accordingly a revised table was prepared showing our imports and exports of "articles wholly or mainly manufactured" from 1854 to 1903, calculated throughout in accordance with the new system so far as it could be applied to the less elaborate import and export lists of earlier years. The following is the table referred to, brought up to date as far as practicable by the inclusion of the figures for years subsequent to those dealt with by the Board of Trade:—

STATEMENT SHOWING THE VALUE OF THE IMPORTS INTO AND OF THE EXPORTS OF BRITISH PRODUCE FROM THE UNITED KINGDOM OF ARTICLES WHOLLY OR MAINLY MANUFACTURED.

	VALUE OF				PERCENTAGE GROWTH VALUE IN 1901=100.	
Year.	Total Imports.	Imports of Articles wholly or mainly manufactured.	Total Exports of British Produce (excluding ships).	Exports of Articles wholly or mainly manufactured of British production (excluding ships).	Imports of Articles wholly or mainly manufactured.	Exports of Articles wholly or mainly manufactured of British production. (excluding ships).
	Million £'s.	Million £'s.	Million £'s.	Million £'s.	per cent.	per cent.
1854	152.0	21.7	97.0	87.9	17.0	40.9
1855	143.0	18.7	96.0	84.1	14.7	39.2
1856	172.0	22.1	116.0	102.5	17.3	47.7
1857	188.0	21.9	122.0	109.6	17.2	51.0
1858	164.0	18.0	117.0	105.3	14.1	49.0
1859	179.0	22.7	130.0	118.0	17.8	55.0
1860	210.0	26.3	136.0	123.7	20.6	57.6
1861	217.0	27.4	125.0	111.5	21.5	51.9
1862	226.0	31.0	124.0	110.8	24.3	51.6
1863	249.0	32.1	147.0	132.7	25.2	61.8
1864	275.0	36.1	160.0	146.4	28.3	68 2
1865	271.0	37.1	166.0	151.2	29.1	70.4
1866	295.0	41.3	189.0	172.6	32.4	80.4
1867	275.0	41.8	181.0	165.3	32.8	77.0
1868	295.0	46.5	179.0	163.5	36.5	76.2
1869	295.0	46.4	190.0	173.5	36.4	80.8
1870	303.0	52.5	200.0	181.1	41.2	84.4
1871	331.0	49.3	223.0	199.1	38.7	92.7
1872	355.4	55.4	256.0	231.3	43.5	107.7
1873	371.0	57.0	255.0	226.9	44.7	105.7
1874	370.0	62.1	240.0	212.4	48.7	98.9
1875	374.0	66.3	223.0	199.0	52.0	92.7
1876	375.0	66.8	201.0	177.1	52.4	82.5
1877	394.0	69.9	199.0	175.7	54.9	81.8
1878	369.0	69.1	193.0	170.4	54.2	79.4
1879	363.0	66.5	192.0	168.4	52.2	78.4
1880	411.0	76.4	223.0	196.9	60.0	91.7
1881	397.0	74.0	234.0	207.0	58.1	96.4
1882	413.0	77.3	242.0	212.0	60.7	99.1
1883	427.0	79.0	240.0	210.8	62.0	98.2
1884	390.0	77.3	233.0	204.4	60.7	95.2
1885	371.0	77.5	213.0	186.1	60.8	86.7
1886	350.0	76.8	213.0	186.0	60.3	86.6
1887	362.0	77.8	222.0	193.7	61.1	90.2
1888	388.0	87.2	234.0	203.3	68.4	94.7
1889	427.0	90.6	249.0	215.4	71.1	100.3
1890	421.0	89.9	263.0	225.8	70.6	105.2
1891	435.0	90.7	247.0	210.3	71.2	98.0
1892	424.0	90.6	227.0	192.5	71.1	89.7
1893	405.0	89.9	218.0	185.7	70.6	86.5
1894	408.0	91.5	216.0	180.7	71.8	84.2
1895	417.0	98.8	226.0	191.9	77.6	89.4
1896	442.0	106.3	240.0	205.2	83.4	95.6
1897	451.0	109.3	234.0	195.9	85.8	91.2
1898	471.0	112.3	233.0	194.1	88.1	90.4
1899	485.0	121.6	255.3	210.4	95.4	98.0
1900	523.0	128.3	282.6	220.2	100.7	102.6
1901	522.0	127.4	270.9	214.7	100.0	100.0
1902	528.4	132.5	277.6	221.7	104.0	103.3
1903	542.6	134.6	286.5	230.5	105.7	107.4
1904	551.0	135.2	296.3	239.4	106.1	111.5
1905	565.0	142.5	324.4	264.3	108.2	123.1
1906	608.0	155.8	367.0	296.9	122.3	138.2

GROSS & NET IMPORTS OF MANUFACTURES.

A certain proportion of the total imports of "Articles wholly or mainly manufactured" is not retained for home consumption but is re-exported, as will be seen from the following table :—

Statement showing for certain years the total Imports, the Re-Exports, and the Home Consumption of imported articles in the category of "Articles wholly or mainly manufactured."

Year.	Articles wholly or mainly manufactured.		
	Total Imports.	Re-Exports.	Imports for Consumption.
	Million £'s.	Million £'s.	Million £'s.
1860	26.3	5.9	20.4
1870	52.5	7.1	45.4
1880	76.4	13.6	62.8
1890	89.9	15.7	74.2
1900	128.3	17.7	110.6
1902	132.5	17.4	115.1
1903	134.5	18.8	115.7
1904	135.2	20.1	115.1
1905	142.5	21.8	120.7
1906	155.8	25.5	130.3

FOREIGN AND COLONIAL SOURCES DISTINGUISHED.

The previous table is capable of further analysis, in that it is possible to distinguish between the Imports from foreign countries and British possessions, which is done in the following table. Owing, however, to the lack of information for past years it is not possible to show separately the Imports for consumption of articles wholly or mainly manufactured from Foreign Countries and British possessions respectively.

Statement showing the value in certain years of the Imports into the United Kingdom of articles wholly or mainly manufactured from Foreign Countries and British Possessions.

Year.	From Foreign Countries.	From British Possessions.	Total.
	Million £'s.	Million £'s.	Million £'s.
1860	21.6	4.7	26.3
1870	47.6	4.9	52.5
1880	68.2	8.2	76.4
1890	78.9	11.0	89.9
1900	112.7	15.6	128.3
1902	118.8	13.7	132.5
1903	120.4	14.1	134.5
1904	120.6	14.6	135.2
1905	126.6	15.9	142.5
1 06	—	—	155.8

DESTINATION of EXPORTS of MANUFACTURES.

The following table shows the value of Exports of articles of British or Irish production, wholly or mainly manufactured (excluding ships), exported to Foreign Countries and British Possessions respectively :—

Statement shewing for certain years the value of "Articles wholly or mainly manufactured" in the United Kingdom (excluding ships) exported to Foreign Countries and British Possessions respectively :—

Year.	Articles wholly or mainly manufactured.		
	To Foreign Countries.	To British Possessions.	Total.
	Million £'s.	Million £'s.	Million £'s.
1860	85.2	38.5	123.7
1870	136.2	44.9	181.1
1880	129.3	67.6	196.9
1890	147.5	78.3	225.8
1900	139.1	81.1	220.2
1902	128.0	93.7	221.7
1903	133.7	96.8	230.5
1904	142.2	97.2	239.4
1905	165.2	99.2	264.4
1906	—	—	296.9

THE UNITED KINGDOM.
EXPORTS OF COAL AND MACHINERY.

Value of the Exports from the United Kingdom of coal, machinery, and of all other articles of British and Irish produce (except ships, which were not included in the Board of Trade Accounts previous to 1899) to all destinations.

Year.	Coal (including Coke, Cinders, and Patent Fuel).	Machinery and Mill Work.	All other Articles (except Ships).	Total value of Exports (except Ships).
	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.
1850	1,284	1,042	69,042	71,368
1851	1,302	1,169	71,978	74,449
1852	1,372	1,252	75,453	78,077
1853	1,605	1,985	95,344	98,934
1854	2,127	1,931	93,127	97,185
1855	2,446	2,243	90,999	95,688
1856	2,827	2,716	110,284	115,827
1857	3,210	3,884	114,972	122,066
1858	3,046	3,599	109,964	116,609
1859	3,270	3,732	123,410	130,412
1860	3,372	3,838	128,681	135,891
1861	3,605	4,214	117,284	125,103
1862	3,751	4,092	116,149	123,992
1863	3,714	4,368	138,520	146,602
1864	4,166	4,848	151,435	160,449
1865	4,427	5,223	156,186	165,836
1866	5,103	4,759	179,056	188,918
1867	5,392	4,969	170,601	180,962
1868	5,353	4,729	169,596	179,678
1869	5,166	5,119	179,669	189,954
1870	5,638	5,293	188,656	199,587
1871	6,246	5,966	210,854	223,066
1872	10,442	8,201	237,614	256,257
1873	13,189	10,020	231,956	255,165
1874	11,984	9,791	217,783	239,558
1875	9,658	9,059	204,749	223,466
1876	8,905	7,210	184,524	200,639
1877	7,844	6,723	184,326	198,893
1878	7,330	7,498	178,021	192,849
1879	7,207	7,279	177,046	191,532
1880	8,373	9,264	205,423	223,060
1881	8,786	9,960	215,277	234,023
1882	9,564	11,446	220,457	241,467

EXPORTS OF COAL AND MACHINERY—*continued.*

Year.	Coal (including Coke, Cinders, and Patent Fuel).	Machinery and Mill Work.	All other Articles (except Ships).	Total value of Exports (except Ships).
	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.
1883	10,646	13,022	216,124	239,792
1884	10,851	12,717	209,457	233,025
1885	10,633	10,715	191,767	213,115
1886	9,837	9,702	193,186	212,725
1887	10,170	10,623	201,121	221,914
1888	11,345	12,494	210,696	234,535
1889	14,782	14,672	219,481	248,935
1890	19,020	16,411	228,100	263,531
1891	18,895	15,070	213,270	247,235
1892	16,811	13,069	197,336	227,216
1893	14,376	13,200	190,684	218,260
1894	17,372	13,435	185,199	216,006
1895	15,434	14,236	196,458	226,128
1896	15,156	16,059	208,931	240,146
1897	16,655	15,181	202,384	234,220
1898	18,136	17,356	197,917	233,359
1899	23,094	18,372	213,830	255,296
1900	38,620	19,620	224,364	282,604
1901	30,335	17,812	222,726	270,873
1902	27,581	18,755	231,216	277,552
1903	27,263	20,058	239,195	286,516
1904	26,862	21,083	248,413	296,358
1905	26,061	23,260	275,064	324,385
1906	31,504	26,733	308,751	366,988

UNITED KINGDOM.

EMPLOYED, WAGES, AND TRADE DISPUTES, 1896-1906.

I.—**Employment.**—Returns made to the Board of Trade relating to about 600,000 members of Trade Unions show that the mean percentage of members unemployed at the end of each month of 1906 was 4·1 as compared with 5·4 in the previous year, and 6·5 in 1904. The fluctuations in the percentages of unemployed in the period 1896-1906 were—

Year.	Per cent.	Year.	Per cent.	Year.	Per cent.
1896	3·4	1900	2·9	1904	6·5
1897	3·5	1901	3·8	1905	5·4
1898	3·0	1902	4·4	1906	4·1
1899	2·4	1903	5·1		

II.—**Wages.**—The upward tendency in wages which began in the second half of 1905 continued throughout 1906, when there was a net increase in weekly wages for the first time since 1900. In 1896 the number of workpeople affected by changes in the *rates* of wages (excluding agricultural labourers, seamen, railway servants, police and Government employees) was 598,865, and the net increase per week £26,152. The conditions improved until 1900 when 1,110,031 workpeople were affected, and the net weekly increase £206,772. In the following year there was a net decrease of £77,902, and there was a net decrease each succeeding year until 1906, when there was a net increase of £55,546.

III.—**Trade Disputes.**—The number of trade disputes recorded in 1906 was 458, involving 215,446 workpeople. The aggregate duration of all disputes in progress during the year was 2,989,000 working days. The number of workpeople affected by disputes in 1906 was above the average for the previous ten years (178,994), while the aggregate duration, though higher than the average of the period 1901-5 (2,783,000 working days), was well below that for the period 1896-1900 (7,010,000 working days).

POPULATION OF THE UNITED KINGDOM.

The following table shows the population of the United Kingdom and of each division at each census from 1801 to 1901.

Census.	Total for United Kingdom.	England and Wales.	Scotland.	Ireland.
1801	*	8,892,536	1,608,420	*
1811	*	10,164,256	1,805,864	*
1821	20,893,584	12,000,236	2,091,521	6,801,827
1831	24,028,584	13,896,797	2,364,386	7,767,401
1841	26,709,456	15,914,148	2,620,184	8,175,124
1851	27,368,736	17,927,609	2,888,742	6,552,385
1861	28,927,485	20,066,224	3,062,294	5,798,967
1871	31,484,661	22,712,266	3,360,018	5,412,377
1881	34,884,848	25,974,439	3,735,573	5,174,836
1891	37,732,922	29,002,525	4,025,647	4,704,750
1901	41,458,721	32,527,843	4,472,103	4,458,775

* The Census of Ireland in 1821 is the first that affords a comparison with those of subsequent decades.

The following table shows the total population of the United Kingdom estimated to the middle of each year from 1901 to 1906 (exclusive of the Army, Navy, and Merchant Seamen abroad).

Years (June 30th).	Total for United Kingdom.	England and Wales.	Scotland.	Ireland.
1902	41,961,199	32,997,626	4,531,299	4,432,274
1903	42,371,216	33,378,338	4,579,223	4,413,655
1904	42,789,552	33,763,434	4,627,656	4,398,462
1905	43,221,123	34,152,977	4,676,603	4,391,543
1906	43,659,121	34,547,016	4,726,070	4,386,035

OCCUPATIONS OF THE PEOPLE.

The following Statement, issued by the Board of Trade and compiled from materials contained in the census and other official returns, shows for the years 1901, 1891, and 1881 the estimated number of persons engaged in certain important industries in the United Kingdom.

Industry.	1901.	1891.	1881.
Agriculture *	2,054,000	2,266,000	2,479,000
Building †	1,133,000	836,000	833,000
Cotton	606,000	625,000	596,000
Woollen and Worsted	252,000	304,000	284,000
Flax and Linen	109,000	135,000	143,000
Silk	41,000	57,000	69,000
Mining	839,000	707,000	550,000
Iron and Steel and Manufactures thereof (including Shipbuilding)	1,249,000	971,000	834,000
Leather (including Saddlery, Boot, Shoe, and Glove Making)	384,000	377,000	355,000
Paper	74,000	58,000	44,000
Glass	33,000	29,000	24,000
Brick, Tile and Pottery	136,000	109,000	104,000
Chemical	58,000	41,000	30,000

* Excluding woodmen, gardeners, nurserymen, seedsmen, florists, and farmer's wives, daughters and other female relatives assisting in the work of the farm.

† Including lock, key, and gas fittings makers.

OCCUPATIONS OF THE PEOPLE—*continued.*

The following table shows the number of persons per 10,000 of the total population of the United Kingdom engaged in the industries included in the previous statement.

Industry.	1901.	1891.	1881.
Agriculture	495	601	711
Building	273	222	239
Cotton	146	166	171
Woollen and Worsted	61	80	81
Flax and Linen	26	36	41
Silk	10	15	20
Mining	202	187	158
Iron and Steel and Manufactures thereof (including Shipbuilding)	301	257	239
Leather (including Saddlery, Boot, Shoe, and Glove Making)	93	100	102
Paper	18	15	13
Glass	8	8	7
Brick, Tile and Pottery	33	29	30
Chemical	14	11	8

COAL PRODUCTION.

Statement showing the quantity of Coal produced in various Countries.

Year.	Germany.	Belgium.	France.	Austria.	United States.	United Kingdom.
	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.
1880	46.9	16.8	18.8	5.8	63.8	146.9
1881	48.6	16.8	19.2	6.3	76.6	154.1
1882	52.1	17.5	20.0	6.5	92.2	156.5
1883	55.9	18.1	20.7	7.1	102.8	163.7
1884	57.2	18.0	19.5	7.1	106.9	160.7
1885	58.3	17.4	19.0	7.3	99.0	159.3
1886	58.0	17.2	19.4	7.4	100.6	157.5
1887	60.3	18.3	20.8	7.7	116.0	162.1
1888	65.3	19.2	22.1	8.2	132.7	169.9
1889	67.3	19.8	23.8	8.5	126.0	176.9
1890	70.2	20.3	25.5	8.9	140.8	181.6
1891	73.7	19.6	25.5	9.1	150.5	185.4
1892	71.3	19.5	25.6	9.2	160.1	181.7
1893	73.8	19.4	25.1	9.7	162.8	164.3
1894	76.7	20.5	26.9	9.5	152.4	188.2
1895	79.1	20.4	27.5	9.7	172.4	189.6
1896	85.6	21.2	28.7	9.9	171.4	195.3
1897	91.0	21.4	30.3	10.4	178.9	202.1
1898	96.3	22.0	31.8	10.9	196.4	202.0
1899	101.6	22.0	32.2	11.4	226.5	220.0
1900	109.2	23.4	32.7	10.9	240.7	225.1
1901	108.5	22.2	31.6	11.7	261.8	219.0
1902	107.4	22.8	29.3	11.0	269.3	227.0
1903	116.6	23.9	34.3	11.4	320.9	230.3
1904	120.8	22.8	34.1	11.8	314.6	232.4
1905	—	—	—	—	—	236.1

NOTES.—The figures for Germany, Belgium, France, and Austria are metric tons of 2,204 lbs.

IRON ORE PRODUCTION.

Statement showing the quantity of Iron Ore produced in various Countries.

Year.	Germany.	France.	Spain.	Austria.	Hungary.	United States.	United Kingdom.
	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.
1880	7.2	2.8	3.5	0.6	0.4	7.1	18.0
1881	7.6	3.0	3.5	0.6	0.4	—	17.4
1882	8.2	3.4	4.7	0.9	0.5	—	18.0
1883	8.7	3.2	4.5	0.8	0.5	—	17.3
1884	9.0	2.9	3.9	0.9	0.6	—	16.1
1885	9.1	2.3	3.9	0.9	0.6	—	15.4
1886	8.4	2.2	4.1	0.7	0.6	—	14.1
1887	9.3	2.5	5.5	0.8	0.5	—	13.0
1888	10.6	2.8	4.6	1.0	0.6	—	14.5
1889	11.0	3.0	4.8	1.1	0.6	14.5	14.5
1890	11.4	3.4	6.0	1.3	0.7	16.0	13.7
1891	10.6	3.5	5.1	1.2	0.8	14.5	12.7
1892	11.5	3.7	5.1	0.9	0.9	16.2	11.3
1893	11.4	3.5	5.4	1.1	0.9	11.5	11.2
1894	12.3	3.7	5.3	1.2	1.0	11.8	12.3
1895	12.3	3.6	5.5	1.3	1.1	15.9	12.6
1896	14.1	4.0	6.7	1.4	1.2	16.0	13.7
1897	15.4	4.5	7.4	1.6	1.4	17.5	13.7
1898	15.9	4.7	7.1	1.7	1.6	19.4	14.1
1899	17.9	4.9	9.3	1.7	1.5	24.6	14.4
1900	18.9	5.4	8.6	1.8	1.6	27.5	14.0
1901	16.5	4.7	7.9	1.9	1.5	28.8	12.2
1902	17.9	5.0	7.8	1.7	1.5	35.5	13.4
1903	20.9	6.1	8.2	3.1		35.0	13.7
1904	21.7	6.9	7.8	3.2		27.6	13.8
1905	23.1	—	9.2	3.4		44.1	14.6

NOTE.—Germany includes Luxemburg.
In the first five columns the tons are metric tons of 2,204 lbs.
The figures for 1905 for Germany, Spain, Austria, Hungary, and United States are provisional.

PIG IRON PRODUCTION AND CONSUMPTION.

Comparative Statement showing the production and total consumption of Pig Iron in various countries.

Year.	United States.		United Kingdom.		Germany.		France.	
	Production.	Consumption.	Production.	Consumption.	Production.	Consumption.	Production.	Consumption.
	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.
1880	3.8	4.2	7.7	6.1	2.7	2.8	1.7	1.8
1881	4.1	4.6	8.1	6.7	2.8	2.9	1.8	2.1
1882	4.6	5.0	8.5	6.8	3.3	3.5	2.0	2.3
1883	4.5	4.8	8.5	7.0	3.4	3.5	2.0	2.3
1884	4.0	4.2	7.8	6.5	3.5	3.7	1.8	2.0
1885	4.0	4.2	7.4	6.5	3.6	3.7	1.6	1.8
1886	5.6	6.0	7.0	6.0	3.5	3.4	1.5	1.6
1887	6.4	6.7	7.5	6.4	4.0	4.0	1.5	1.6
1888	6.4	6.6	7.9	7.0	4.3	4.4	1.6	1.7
1889	7.6	7.7	8.3	7.2	4.5	4.7	1.7	1.7
1890	9.2	9.3	7.9	6.8	4.6	4.9	1.9	1.9

PIG IRON PRODUCTION AND CONSUMPTION—*continued.*

Year.	United States.		United Kingdom.		Germany.		France.	
	Production.	Consumption.	Production.	Consumption.	Production.	Consumption.	Production.	Consumption.
	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.
1891	8.2	8.3	7.4	6.6	4.6	4.8	1.8	1.9
1892	9.1	9.2	6.7	5.9	4.9	5.0	2.0	2.0
1893	7.1	7.1	6.9	6.1	4.9	5.1	2.0	2.0
1894	6.6	6.6	7.4	6.6	5.3	5.4	2.0	2.0
1895	9.4	9.4	7.7	6.9	5.4	5.5	2.0	1.9
1896	8.6	8.6	8.6	7.7	6.3	6.5	2.3	2.2
1897	9.6	9.4	8.7	7.7	6.8	7.2	2.4	2.5
1898	11.7	11.5	8.6	7.7	7.3	7.4	2.5	2.5
1899	13.6	13.4	9.4	8.2	8.1	8.5	2.5	2.6
1900	13.7	13.5	8.9	7.7	8.5	9.1	2.7	2.8
1901	15.8	15.8	7.9	7.2	7.8	7.9	2.3	2.4
1902	17.8	18.4	8.6	7.7	8.5	8.3	2.4	2.3
1903	18.0	18.5	8.9	8.0	9.9	9.6	2.8	2.7
1904	16.5	16.5	8.7	8.0	9.9	9.8	2.9	2.9
1905	23.0	23.2	9.6	8.7	10.7	10.5	3.1	3.0

NOTE.—In the case of Germany the figures are metric tons of 2,204 lbs., and include the improvement trade "Veredelungsverkehr."
In all cases the figures for 1905 are provisional.

STEEL PRODUCTION.

Statement showing the total production of Steel in various countries.

Year.	Germany.	Belgium.	France.	Spain.	United States.	United Kingdom.
	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.	Million tons.
1890	2.2	0.2	0.6	0.07	4.2	3.5
1891	2.5	0.2	0.7	0.07	3.9	3.1
1892	2.7	0.2	0.8	0.05	4.9	2.9
1893	3.1	0.2	0.7	0.07	4.0	2.9
1894	3.6	0.4	0.8	0.09	4.4	3.1
1895	3.9	0.4	0.8	0.05	6.1	3.0
1896	4.8	0.5	1.1	0.06	5.2	4.1
1897	5.1	0.6	1.3	0.06	7.1	4.4
1898	5.7	0.6	1.4	0.05	8.9	4.5
1899	6.3	0.7	1.4	0.11	10.6	4.8
1900	6.3	0.6	1.5	0.14	10.1	4.9
1901	6.2	0.6	1.4	0.15	13.4	4.9
1902	7.4	0.9	1.5	0.16	14.9	4.8
1903	8.1	1.3	1.8	0.14	14.5	5.0
1904	8.8	1.5	2.1	0.19	13.8	5.0
1905	10.1	1.2	2.1	0.24	19.9	5.8

NOTE.—In each case the figures for 1905 are provisional. The figures for Germany, France, Belgium, and Spain are metric tons of 2,204 lbs.

SHIPPING—FOREIGN AND COLONIAL TRADE.

Statement showing the tonnage of Sailing and Steam Vessels of each Nation entered and cleared with Cargoes and in Ballast at ports in the United Kingdom from and to Foreign Countries and British Possessions.

ENTERED.

Nationality.	1880.	1903.	1904.	1905.
	Tons.	Tons.	Tons.	Tons.
British	20,490,512	34,164,230	34,411,766	35,200,869
Russian	299,634	602,446	634,584	654,204
Swedish	754,901	1,828,983	1,951,268	2,114,028
Norwegian	2,030,353	3,414,947	3,404,838	3,392,216
Danish	664,756	1,927,118	2,054,554	2,106,717
German	1,548,970	3,067,108	3,681,532	4,298,769
Dutch	556,281	1,834,057	1,915,230	1,949,161
Belgian	265,039	768,661	817,423	936,918
French	868,621	1,355,154	1,471,969	1,574,395
Spanish	310,549	1,384,024	1,416,425	1,462,488
Portuguese..	16,303	22,107	18,661	17,141
Italian	563,474	450,261	503,799	450,916
Austrian	168,455	441,172	428,653	403,058
Greek	31,955	302,550	334,275	297,728
United States of America ..	496,403	338,801	437,816	664,360
Other Countries	7,349	342,890	104,242	106,006
TOTAL	29,073,555	52,244,509	53,587,035	55,623,974

CLEARED.

	Tons.	Tons.	Tons.	Tons.
British	20,858,472	34,418,363	34,738,855	35,762,218
Russian	308,268	612,645	651,260	664,554
Swedish	753,920	1,837,126	1,947,169	2,117,717
Norwegian	2,021,415	3,410,219	3,427,887	3,387,152
Danish	719,943	1,952,037	2,073,705	2,123,830
German	1,624,865	3,074,293	3,682,080	4,346,284
Dutch	614,182	1,861,704	1,908,485	1,957,107
Belgian	268,518	755,774	794,030	920,597
French	874,421	1,393,228	1,454,661	1,587,762
Spanish	325,447	1,377,887	1,407,066	1,471,300
Portuguese..	16,707	22,436	18,497	15,145
Italian	561,796	514,705	553,496	493,552
Austrian	160,837	430,647	486,538	468,592
Greek	33,238	330,621	349,539	308,197
United States of America ..	509,985	291,609	445,287	675,096
Other Countries	10,494	245,355	125,863	118,657
TOTAL	29,662,508	52,528,649	54,064,418	56,416,760

SHIPPING, FOREIGN AND COLONIAL TRADE—*continued.*

Statement showing the total net tonnage of British and Foreign Vessels, distinguishing Sailing and Steam, entered and cleared at ports in the United Kingdom from and to Foreign Countries and British Possessions.

I.—WITH CARGOES AND IN BALLAST.

Entered.	1880.	1903.	1904.	1905.
British, Sailing	5,200,214	659,679	771,629	673,981
,, Steam	15,290,298	33,504,551	33,640,137	34,526,888
Total	20,490,512	34,164,230	34,411,766	35,200,869
Foreign, Sailing	5,562,929	2,101,594	2,080,666	2,130,031
,, Steam	3,020,114	15,978,685	17,094,603	18,293,074
Total	8,583,043	18,080,279	19,175,269	20,423,105
GRAND TOTAL ..	29,073,555	52,244,509	53,587,035	55,623,974
Cleared.				
British, Sailing	5,172,733	635,189	694,970	659,746
,, Steam	15,685,739	33,783,174	34,043,885	35,102,472
Total	20,858,472	34,418,363	34,738,855	35,762,218
Foreign, Sailing	5,586,245	2,139,047	2,159,016	2,193,005
,, Steam	3,217,791	15,971,239	17,166,547	18,461,537
Total	8,804,036	18,110,286	19,325,563	20,654,542
GRAND TOTAL ..	29,662,508	52,528,649	54,064,418	56,416,760

II.—WITH CARGOES ONLY.

Entered.	1880.	1903.	1904.	1905.
British, Sailing	4,552,020	580,424	705,325	560,106
,, Steam	12,465,991	26,868,077	27,101,768	27,434,769
Total	17,018,011	27,448,501	27,807,093	27,994,875
Foreign, Sailing	4,737,890	1,867,120	1,821,401	1,836,413
,, Steam	2,237,379	10,587,396	10,313,403	10,165,438
Total	6,975,269	12,454,516	12,134,804	12,001,851
GRAND TOTAL ..	23,993,280	39,903,017	39,941,897	39,996,726
Cleared.				
British, Sailing	4,281,717	560,518	572,901	580,726
,, Steam	14,586,140	30,755,906	31,320,396	32,181,733
Total	18,867,857	31,316,424	31,893,297	32,762,459
Foreign, Sailing	3,983,267	1,473,471	1,420,049	1,519,201
,, Steam	2,834,546	14,610,071	15,153,018	15,341,463
Total	6,817,813	16,083,542	16,573,067	16,860,664
GRAND TOTAL ..	25,685,670	47,399,966	48,466,364	49,623,123

SHIPPING—COASTWISE TRADE.

Statement showing the total net tonnage of British and Foreign Vessels, distinguishing Sailing and Steam, entered and cleared Coastwise at ports in the United Kingdom (exclusive of ports in the Channel Islands and the Isle of Man).

I.—With Cargoes and in Ballast.

Entered.	1898.	1903.	1904.	1905.
British, Sailing	6,251,636	4,944,617	5,077,944	4,966,776
,, Steam	47,023,963	49,393,678	51,155,951	51,676,176
Total	53,275,599	54,338,295	56,233,895	56,642,952
Foreign, Sailing	370,140	376,616	382,930	405,058
,, Steam	1,776,290	3,190,531	3,165,974	3,018,909
Total	2,146,430	3,567,147	3,548,904	3,423,967
Grand Total ..	55,422,029	57,905,442	59,782,799	60,066,919
Cleared.				
British, Sailing	6,181,568	4,875,724	5,066,405	4,878,645
,, Steam	46,275,383	48,335,077	49,824,372	50,710,378
Total	52,456,951	53,210,801	54,890,777	55,589,023
Foreign, Sailing	325,823	319,205	348,706	358,819
,, Steam	1,679,287	2,937,933	2,859,860	2,723,129
Total	2,005,110	3,257,138	3,208,566	3,081,948
Grand Total ..	54,462,061	56,467,939	58,099,343	58,670,971

II.—With Cargoes Only.

Entered.	1898.	1903.	1904.	1905.
British, Sailing	4,401,846	3,585,640	3,614,415	3,487,867
,, Steam	26,370,358	27,569,972	28,225,067	28,800,001
Total	30,772,204	31,155,612	31,839,482	32,287,868
Foreign, Sailing	45,152	79,820	83,055	89,144
,, Steam	96,918	152,264	150,193	177,666
Total	142,070	232,084	233,248	266,810
Grand Total ..	30,914,274	31,387,696	32,072,730	32,554,678
Cleared.				
British, Sailing	4,166,566	3,350,382	3,347,152	3,255,620
,, Steam	26,202,974	27,439,818	28,016,275	28,669,059
Total	30,369,540	30,790,200	31,363,427	31,924,679
Foreign, Sailing	41,550	74,193	70,493	84,672
,, Steam	93,001	173,907	164,520	168,951
Total	134,551	248,100	235,013	253,623
Grand Total ..	30,504,091	31,038,300	31,598,440	32,178,302

SHIPPING—TONNAGE, &c.

Statement showing the total number and net tonnage of vessels registered under the Merchant Shipping Acts belonging to the United Kingdom (including Channel Islands and Isle of Man).

Years.	Sailing Vessels.		Steam Vessels.		Total.	
	Number.	Tons.	Number.	Tons.	Number.	Tons.
1880	19,938	3,851,045	5,247	2,723,468	25,185	6,574,513
1903	10,330	1,868,936	10,122	8,399,668	20,452	10,268,604
1904	10,210	1,802,667	10,370	8,751,853	20,580	10,554,520
1905	10,059	1,670,766	10,522	9,064,816	20,581	10,735,582

AGRICULTURE.

I.—Statement showing the Acreage of Land in the United Kingdom under each crop and also under Fallow and Grass, together with the number of Live Stock in the first week of June in the years named.

AREA OF UNITED KINGDOM (INCLUDING CHANNEL ISLANDS AND ISLE OF MAN, 77,684,012 ACRES).

Description of Crop and Live Stock.	1887.	1903.	1904.	1905.
	Acres.	Acres.	Acres.	Acres.
Total Cultivated Area	47,874,369	47,208,033	47,670,997	47,673,115
Wheat	2,387,518	1,620,988	1,407,618	1,836,598
Barley or Bere	2,255,256	2,021,823	2,002,854	1,872,305
Oats	4,418,947	4,257,052	4,351,183	4,137,406
Rye	65,947	69,228	65,177	72,480
Beans	377,306	241,958	254,892	256,383
Peas	230,426	181,951	175,934	175,624
Potatoes	1,367,125	1,195,877	1,200,419	1,236,768
Turnips and Swedes	2,282,152	1,898,879	1,898,010	1,879,384
Mangolds	403,397	478,394	475,313	477,540
Cabbage, Kohl-Rabi, and Rape ..	203,583	231,743	221,478	225,315
Vetches or Tares	279,826	147,967	131,273	139,285
Other Green Crops	180,596	193,985	182,901	186,082
Flax	133,904	45,610	44,856	46,599
Hops	63,709	47,938	47,799	48,967
Small Fruit	—	81,260	82,980	83,941
Bare Fallow	498,992	356,715	437,927	353,742
Clover, Sanfoin, and Grasses under rotation :				
(A) For Hay	2,975,094	3,053,638	2,968,462	2,831,305
(B) Not for Hay	3,051,852	3,037,584	3,028,616	2,948,018
Permanent Pasture (exclusive of Heath or Mountain Land) :				
(A) For Hay	6,077,660	6,358,319	6,400,510	6,361,439
(B) Not for Hay	20,621,079	22,187,124	22,294,795	22,503,934
Woods, Coppices, and Plantations	2,787,663	3,030,168	3,029,234	3,069,375
Live Stock.				
Horses : used solely for agriculture, Mares kept solely for breeding, and unbroken Horses	Number. 1,936,925	Number. 2,069,944	Number. 2,100,634	Number. 2,116,800
Cattle	10,639,960	11,408,504	11,575,511	11,674,019
Sheep	29,401,750	29,658,863	29,105,109	29,076,777
Pigs, exclusive of those kept in towns and by cottagers in Great Britain	3,720,957	4,085,808	4,191,695	3,601,659

AGRICULTURE—*continued.*

II.—Statement showing the Estimated Total Produce of each of the Principal Crops in the United Kingdom.

Description of Crop.	1887.	1903.	1904.	1905.
	Bushels.	Bushels.	Bushels.	Bushels.
Wheat	76,224,940	48,818,788	37,919,781	60,332,653
Barley and Bere	69,948,266	65,309,685	62,453,483	65,003,559
Oats	150,789,416	172,940,555	176,755,048	166,286,396
Beans	8,473,007	7,535,314	5,900,794	8,261,697
Peas	5,623,226	4,811,745	4,445,785	4,446,050
	Tons.	Tons.	Tons.	Tons.
Potatoes	7,134,296	5,276,949	6,230,272	7,185,745
Turnips and Swedes	22,466,877	23,523,205	28,033,374	26,563,060
Mangolds	5,878,328	8,211,840	8,813,011	9,493,102
Hay of all Sorts	11,492,716	14,955,235	14,859,689	13,553,950
	Cwts.	Cwts.	Cwts.	Cwts.
Hops	457,515	421,068	282,330	695,943

III.—Statement showing the Estimated Average Yield per Acre of each of the Principal Crops in the United Kingdom.

Description of Crop.	1887.	1903.	1904.	1905.
	Bushels.	Bushels.	Bushels.	Bushels.
Wheat	31.97	30.15	26.97	32.88
Barley and Bere	31.12	32.38	31.25	34.79
Oats	34.25	40.81	40.80	40.38
Beans	22.47	31.27	23.23	32.33
Peas	24.43	26.56	25.75	25.71
	Tons.	Tons.	Tons.	Tons.
Potatoes	5.26	4.45	5.24	5.86
Turnips and Swedes	9.89	12.44	14.83	14.19
Mangolds	14.61	17.19	18.57	19.91
Hay of all Sorts	1.27	1.60	1.61	1.52
	Cwts.	Cwts.	Cwts.	Cwts.
Hops	7.18	8.78	5.91	14.21

SEA FISHERIES.

Statement showing the Quantity of Fish (exclusive of Salmon) returned as landed on the Coasts of the United Kingdom.

Description of Fish.	1890.	1903.	1904.	1905.
	Cwts.	Cwts.	Cwts.	Cwts.
Soles	76,659	84,530	80,450	83,684
Turbot	58,837	93,118	104,612	96,821
Cod	851,950	1,906,737	1,920,471	2,118,875
Haddock	2,355,420	3,768,705	3,576,653	3,091,321
Herrings	5,397,190	7,571,476	8,918,293	8,767,235
Mackerel	1,012,311	806,399	1,037,563	1,267,958
Ling	280,781	235,941	285,580	324,840
Pilchards	60,994	71,819	175,552	169,199
Sprats	149,502	134,445	129,514	91,053
Brill, Plaice, and other wet fish	2,525,248	3,882,290	4,036,061	4,222,048
TOTAL WET FISH	12,768,892	18,555,460	20,264,749	20,233,034

NOTE.—The weight of Shell Fish cannot be given.

RAILWAYS.

I.—Statement showing the Paid-up Capital of Railway Companies in the United Kingdom, with the Average Rates of Dividend or Interest thereon.

NOTE.—The figures include nominal additions and capital raised for the purpose of subscribing to other undertakings.

Description of Capital.	1890.	1903.	1904.	1905.
(1) Ordinary :	£	£	£	£
Amount	332,070,000	472,507,000	480,290,000	483,496,000
Average Dividend	4.51 %	3.29 %	3.25 %	3.27 %
(2) Preferential :				
Amount	234,092,000	320,719,000	329,373,000	334,374,000
Average Dividend	4.00 %	3.43 %	3.43 %	3.44 %
(3) Guaranteed :				
Amount	98,797,000	116,864,000	117,477,000	119,716,000
Average Interest	4.42 %	4.00 %	3.99 %	4.00 %
(4) Loans :				
Amount	9,340,000	18,819,000	19,316,000	20,058,000
Average Interest	4.11 %	4.46 %	4.11 %	4.12 %
(5) Debenture Stock :				
Amount	223,173,000	316,120,000	322,038,000	325,157,000
Average Interest	3.99 %	3.42 %	3.42 %	3.42 %
(6) Total Capital :				
Amount	897,472,000	1,245,029,000	1,268,494,000	1,282,801,000
Average Interest	4.24 %	3.44 %	3.42 %	3.43 %
Nominal additions included in foregoing :				
(1) Ordinary	21,079,000	87,009,000	88,225,000	89,002,000
(2) Preferential	18,585,000	43,436,000	43,910,000	43,948,000
(3) Guaranteed	8,802,000	17,061,000	17,061,000	17,061,000
(4) Loans	—	6,000	6,000	6,000
(5) Debenture Stock ..	8,558,000	43,743,000	44,292,000	44,324,000
(6) Total Nominal Additions	57,024,000	191,255,000	193,494,000	194,341,000

II.—Statement showing Length of Line, Traffic, Receipts, and Working Expenses of Railways in the United Kingdom.

	1890.	1903.	1904.	1905.
(1) Length of Line :	Miles.	Miles.	Miles.	Miles.
i. Double or more	10,989	12,500	12,590	12,693
ii. Single	9,084	9,935	10,044	10,154
iii. Total	20,073	22,435	22,634	22,847
(2) Number of Passengers (exclusive of Season Ticket Holders)	817,744,000	1,195,265,000	1,198,774,000	1,199,022,000
(3) Weight of Goods Conveyed :	Tons.	Tons.	Tons.	Tons.
i. Minerals	215,765,000	343,690,000	349,551,000	358,076,000
ii. General Merchandise ..	100,342,000	100,008,000	100,286,000	103,063,000
(4) Gross Receipts :				
(A) Passenger Traffic—	£	£	£	£
i. Passengers	29,298,627	39,985,003	40,065,746	40,256,930
ii. Excess Luggage, Parcels, Carriages, Horses, Dogs, and Mails..	5,029,338	7,983,515	8,321,871	8,463,190
iii. Total	34,327,965	47,968,518	48,387,617	48,720,120

RAILWAYS—*continued.*

	1890.	1903.	1904.	1905.
(B) Goods Traffic :	£	£	£	£
i. Minerals	17,543,300	25,351,022	25,671,851	26,273,014
ii. General Merchandise ..	23,300,107	28,280,281	28,314,995	28,749,911
iii. Live Stock	1,376,975	1,479,370	1,413,206	1,388,664
iv. Total	42,220,382	55,110,673	55,400,052	56,411,589
(C) Total from all Traffic ..	76,548,347	103,079,191	103,787,669	105,131,709
(5) Average Receipts from all Traffic :	Pence.	Pence.	Pence.	Pence.
i. Per Train Mile	58.61	62.79	62.74	62.93
	£	£	£	£
ii. Per Mile of Line Open ..	3,813	4,594	4,586	4,601
(6) Miscellaneous Receipts ..	3,400,355	7,809,523	8,045,603	8,399,310
(7) Total Gross Receipts ..	79,948,702	110,888,714	111,833,272	113,531,019
(8) Working Expenditure ..	43,188,556	68,561,855	69,172,531	70,064,663
(9) Net Receipts	36,760,146	42,326,859	42,660,741	43,466,356
(10) Proportion of Working Expenditure to Gross Receipts	54 %	62 %	62 %	62 %

NOTE.—A revision of the list of articles included under the head of Minerals was made in the year 1903, and the tonnages of Minerals and General Merchandise, and the receipts therefrom, are not strictly comparable with those given in prior years.

TRAMWAYS.

Statement showing the Total Length, Paid-up Capital, Traffic, Receipts, and Working Expenses of Tramways in the United Kingdom.

	1890.	1903.	1904.	1905.
	Miles.	Miles.	Miles.	Miles.
(1) Length of Tramway ..	948	1,772	1,840	2,117
(2) Paid-up Capital :	£	£	£	£
i. Share	9,582,165	13,395,606	13,990,770	15,147,055
ii. Loan and Debenture ..	3,919,861	26,781,491	31,082,232	36,354,355
iii. Total	13,502,026	40,177,097	45,073,002	51,501,410
3) Number of Passengers Conveyed	526,369,328	1,681,948,655	1,799,342,673	2,068,913,226
	£	£	£	£
(4) Gross Receipts	3,214,743	8,090,042	8,604,884	9,917,026
(5) Working Expenses	2,402,800	5,511,259	5,692,774	6,565,049
(6) Net Receipts	811,943	2,578,783	2,912,110	3,351,977

NOTES.—(1) Prior to 1904 the returns were made up to the end of June. In that year there was an alteration of period, the figures being for Companies for the 12 months ended 31st December of the year prior to that stated, whilst as regard Local Authorities they are for the 12 months ended 31st March of the years stated above.

(2) Particulars relating to public road lines authorised under the Light Railways Act, 1896, were included for the first time in 1903.

JOINT STOCK COMPANIES.

I.—Statement showing the number and total amount of nominal capital of Companies registered in the United Kingdom under "The Companies Act, 1862," in each of the undermentioned years.

Years.	With Nominal Capital.				Without Nominal Capital.		Total Number of Companies.	Total Nominal Share Capital.
	New Limited.	New Unlimited.	Old Limited.	Old Unlimited.	Limited by Guarantee.	Mutual, etc.		
								£
1884	1,446	2	23	2	52	16	1,541	138,491,428
1885	1,389	3	16	2	50	22	1,482	119,222,961
1886	1,791	7	18	1	64	10	1,891	145,850,702
1903	3,992	1	7	2	70	3	4,075	126,606,015
1904	3,765	2	1	1	60	2	3,831	92,526,143
1905	4,253	2	7	3	89	4	4,358	119,179,333

II.—Statement showing the total number and amount of Paid-up Capital (including amounts considered as paid on Vendors' shares) of all Registered Companies having a share capital, and believed to be carrying on business at the undermentioned dates.

Dates.	Registered in London.		Registered in Edinburgh.	
	No.	Paid-up Capital.	No.	Paid-up Capital.
		£		£
April, 1884	7,589	427,594,349	728	36,439,875
April, 1885	8,119	442,099,549	805	39,815,676
April, 1886	8,159	471,716,077	838	43,544,114
April, 1903	31,886	1,661,817,165	2,895	147,356,797
April, 1904	33,033	1,705,844,570	3,005	152,931,288
April, 1905	35,204	1,752,074,557	3,113	159,852,679

Dates.	Registered in Dublin.		Total.	
	No.	Paid-up Capital.	No.	Paid-up Capital.
		£		£
April, 1884	375	11,517,070	8,692	475,551,294
April, 1885	420	12,994,637	9,344	494,909,862
April, 1886	474	14,377,493	9,471	529,637,684
April, 1903	1,184	40,281,043	35,965	1,849,455,005
April, 1904	1,249	40,872,817	37,287	1,899,648,675
April, 1905	1,299	42,409,899	39,616	1,954,337,135

SAVINGS BANKS.

I.—Statement showing for the United Kingdom the amount received from, paid to, and due to depositors in the Post Office Savings Banks, together with the number of accounts remaining open at the end of each year.

NOTE.—The amount received includes the interest credited on deposits.

Years.	Amount Received (including Interest).	Amount Paid.	Amount due to Depositors.	Number of Accounts.	Average Amount due to each Depositor.		
	£	£	£		£	s.	d.
1890	22,544,047	17,908,860	67,634,807	4,827,314	14	0	3
1891	22,993,050	19,019,855	71,608,002	5,118,395	13	19	10
1892	24,591,294	20,346,217	75,853,079	5,452,316	13	18	3
1903	44,316,084	42,786,025	146,135,147	9,403,852	15	10	10
1904	44,108,600	41,904,393	148,339,354	9,673,717	15	6	8
1905	45,867,823	42,096,037	152,111,140	9,963,049	15	5	4

NOTE.—In the above statement there are included in the amount received, Dividends on Stock held for Depositors, Deposits for immediate investments in Stock and for purchases of annuities and insurances, also sums credited for Stock sold and for payments under Annuity and Insurance Contracts. The amount paid includes withdrawals for investment in stock or annuities and insurances, also withdrawals consequent on sale of stock and of payments to annuitants and insurants or their representatives. The amounts due to Depositors are exclusive of Government Stock held for Depositors.

II.—Statement showing for the United Kingdom the total amount received from, paid to, and due to depositors in the Trustee Savings Banks, together with the number of accounts remaining open at the end of each year.

Years.	Amount Received (including Interest).	Amount Paid.	Amount due to Depositors.	Number of Accounts.	Average Amount due to each Depositor.		
	£	£	£		£	s.	d.
1890	10,649,132	12,126,400	43,650,552	1,535,782	28	8	5
1891	10,314,706	11,089,693	42,875,565	1,510,282	28	7	9
1892	10,187,978	10,678,094	42,385,449	1,501,920	28	4	5
1903	14,017,007	13,981,749	52,540,339	1,689,617	31	1	11
1904	13,861,248	14,120,730	52,280,857	1,704,766	30	13	4
1905	14,526,016	14,083,437	52,723,436	1,731,869	30	8	10

NOTE.—The above statement includes the sums received and paid for Government Stock bought and sold for Depositors, as well as the dividends credited; but it is exclusive of Government Stock held for Depositors.

The number of accounts of and amounts due to Penny Banks, Charitable Institutions, and Friendly Societies included in the above were :—

YEAR.	NUMBER OF ACCOUNTS.	AMOUNT DUE.
		£
1890	29,570	2,938,979
1905	35,204	2,612,053

BUILDING SOCIETIES.

I.—Statement showing the number and aggregate liabilities and assets of Incorporated Building Societies which made returns to the Registrars of Friendly Societies in the United Kingdom for each of the undermentioned years.

	1895.	1896.	1903.	1904.
Number of Societies making returns ..	2,373	2,564	2,062	2,014
LIABILITIES :—	£	£	£	£
(1) On Shares	30,031,109	31,876,854	34,727,955	35,823,285
(2) To Depositors and other Creditors	10,459,339	11,177,257	13,628,329	13,975,263
(3) For balance of unappropriated profit including Reserve Funds ..	1,860,055	1,920,463	2,893,774	3,053,600
TOTAL	42,350,503	44,974,574	51,250,058	52,852,148
ASSETS :—				
(1) Due on Mortgage Securities ..	38,338,907	40,567,800	48,105,759	49,913,970
(2) Other Securities and Cash ..	4,011,596	4,406,774	3,144,299	2,938,178
TOTAL	42,350,503	44,974,574	51,250,058	52,852,148

II.—Statement respecting Unincorporated Societies—ENGLAND and WALES.

NOTE.—No figures are available prior to 1895.

	1895.	1896.	1903.	1904.
Number of Societies making returns ..	230	71	62	61
LIABILITIES :—	£	£	£	£
(1) On Shares	5,036,088	2,968,364	3,584,774	3,585,145
(2) To Depositors and other Creditors	7,223,280	7,852,985	10,533,155	10,863,027
(3) For balance of unappropriated profit including Reserve Funds ..	813,448	601,534	829,240	848,277
TOTAL	13,072,816	11,422,883	14,947,169	15,296,449
ASSETS :—				
(1) Due on Mortgage Securities ..	5,399,899	2,782,639	3,291,221	3,282,142
(2) Other Securities and Cash ..	7,672,917	8,640,244	11,655,948	12,014,307
TOTAL	13,072,816	11,422,883	14,947,169	15,296,449

NOTE.—Returns received from Unincorporated Societies in Scotland showed the liabilities of such societies to be £135,867. There are no Unincorporated Societies in Ireland, and now, none in Scotland or Wales.

INDUSTRIAL AND PROVIDENT SOCIETIES.

Statistics of Industrial and Provident (Co-operative) Societies registered under the Industrial and Provident Societies Acts, making returns to the Registrars of Friendly Societies in the United Kingdom in the undermentioned years.

	1880.	1881.	1903.	1904.
Number of Societies making returns ..	1,182	1,055	2,086	2,185
Number of Members	603,852	595,748	2,091,978	2,195,400
	£	£	£	£
Share Capital	6,225,993	6,278,721	27,136,737	28,254,716
Loan Capital	1,341,290	1,289,133	—	—
Due to Depositors and other Creditors..	—	—	12,803,851	13,031,261
Sales of Goods	23,248,314	23,452,091	89,581,987	92,789,884
EXPENSES :—				
(1) Productive Societies	—	—	2,756,169	2,886,009
(2) Distributive Societies	1,429,160	1,380,323	4,332,171	4,656,646

LIFE ASSURANCE AND ANNUITIES.

I.—Ordinary Life Companies.—Statement showing the amount of income, outgoings, paid-up capital, life and annuity and other funds of Life Insurance Companies of the United Kingdom.

	1880.	1881.	1903.	1904.
	£	£	£	£
(1) INCOME :—				
(A) Premiums	11,658,319	11,898,134	23,903,788	24,547,873
(B) Consideration for Annuities ..	590,911	596,221	1,881,972	1,793,736
(C) Interest (less tax)	5,369,007	5,487,806	9,995,582	10,456,303
(D) Net increase in value of Investment	161,422	173,146	—	—
(E) Miscellaneous	22,377	24,676	48,456	56,366
TOTAL	17,802,036	18,179,983	35,829,798	36,854,278
(2) OUTGOINGS :—				
(A) Claims	9,850,250	9,744,679	16,727,304	17,866,469
(B) Cash Bonuses and Reduction of Premiums	854,297	934,897	1,191,123	879,546
(C) Annuities..	512,214	531,836	2,030,031	2,082,473
(D) Surrenders	734,051	713,945	1,599,106	1,636,373
(E) Management (including Commission)	1,572,816	1,663,700	3,277,421	3,313,305
(F) Dividend, Bonuses, &c., to Shareholders	706,658	531,055	532,901	467,445
(G) Net decrease in value of Investments	—	—	355,853	88,748
(H) Miscellaneous	32,324	16,934	91,543	100,759
TOTAL	14,262,610	14,137,046	25,805,282	26,435,118

LIFE ASSURANCE AND ANNUITIES—*continued.*

	1880.	1881.	1903.	1904.
	£	£	£	£
(3) PAID-UP CAPITAL AND FUNDS :—				
(A) Paid-up Capital	11,084,035	11,390,970	11,521,685	11,751,517
(B) Life and Annuity Funds ..	123,675,355	127,700,923	274,240,114	284,533,609
(C) Fire and Marine Funds of Companies transacting Life Business..	7,554,601	7,731,017	14,482,185	15,486,559
(D) Reserve Fund	3,391,744	3,408,489	4,497,941	4,636,578
(E) Profit and Loss Balance ..	1,873,869	1,869,374	4,996,426	4,808,119

II.—Industrial Life Assurance Companies—Statement.

	1880.	1881.	1903.	1904.
	£	£	£	£
(1) INCOME :—				
(A) Premiums	1,941,994	2,245,565	10,600,611	11,093,268
(B) Consideration for Annuities ..	—	—	168,933	3,846
(C) Interest (less tax)	45,716	60,206	846,655	934,706
(D) Net Increase in value of Investments	—	—	—	—
(E) Miscellaneous	300	2,056	79,607	84,737
TOTAL	1,988,010	2,307,827	11,695,806	12,116,557
(2) OUTGOINGS :—				
(A) Claims	697,778	779,985	3,944,927	4,255,966
(B) Cash Bonuses and reduction of Premiums	—	—	375	342
(C) Annuities..	15	15	140,742	12,690
(D) Surrenders	2,553	3,109	61,354	79,775
(E) Management (including Commission)	935,180	1,081,702	4,602,109	4,827,650
(F) Dividends, Bonuses, &c., to Shareholders	2,661	2,815	546,095	557,282
(G) Net decrease in value of Investments	176	—	9,080	3,490
(H) Miscellaneous	482	639	562	8,445
TOTAL	1,638,845	1,868,265	9,305,244	9,745,640
(3) CAPITAL AND FUNDS :—				
(A) Paid-up Capital..	54,223	84,067	1,945,620	1,951,014
(B) Life and Annuity Funds ..	1,476,933	1,916,025	26,275,335	28,544,624
(C) Reserve Funds	—	—	1,380,225	1,540,793

POST OFFICE.

I.—Statement showing the estimated number of letters, newspapers, book packets, circulars, samples, and post-cards delivered by the Post Office, and the proportionate number of letters delivered per head of the population in the United Kingdom.

Years ended March 31st.	Number of Letters.	Per head of Population.	Number of News-papers, Book-Packets, Circulars, and Samples.	Number of Post Cards.
	Millions.		Millions.	Millions.
1890	1,649¾	44	598¼	216¾
1891	1,705½	45	637¾	229¾
1892	1,767½	47	658	241¾
1904	2,597 6/10	61	995 2/10	613 7/10
1905	2,624 6/10	61	1,023 1/10	734 5/10
1906	2,707 2/10	62	1,077	800 2/10

II.—Statement showing the total number of messages forwarded from Telegraph Offices in the United Kingdom.

Years ended March 31st.	Inland Telegrams.	Foreign Telegrams.	Total.
1890	57,235,783	6,867,054	64,102,837
1891	60,991,188	7,630,929	68,622,117
1892	64,207,032	7,946,887	72,153,919
1903	84,569,330	11,204,508	95,773,838
1904	82,156,886	11,305,828	93,462,714
1905	80,732,859	11,892,317	92,625,176

III.—Statement showing the number and weight of parcels delivered through the Parcel Post, with total receipts and amount paid to the Railway Companies for carriage.

Years.	Number.	Weight (estimated).	Total Receipts.	Amount paid to Railway Companies.
		cwts.	£	£
1890	45,528,952	1,036,596	1,016,075	492,749
1891	48,673,824	1,121,236	1,093,381	523,418
1892	51,608,392	1,188,836	1,159,826	554,994
1903	93,546,725	2,539,125	1,973,952	928,636
1904	97,048,947	2,638,624	2,049,008	961,769
1905	100,579,014	2,703,061	2,115,095	986,592

IV.—Statement showing the number and amount of Money Orders issued in the United Kingdom.

Years.	Number.	Amount.
		£
1890	8,961,068	23,925,981
1891	8,862,392	24,260,854
1892	8,965,229	24,570,046
1903	11,410,079	35,349,869
1904	10,733,725	35,795,494
1905	10,715,035	36,357,316

POST OFFICE—*continued.*

V.—Statement showing the number and amount of Postal Orders issued in the United Kingdom.

Years.	Number.	Amount.
		£
1890	44,617,000	17,679,000
1891	48,722,000	19,103,000
1892	52,546,000	20,496,000
1903	89,810,000	33,817,000
1904	90,372,000	36,095,000
1905	96,070,000	38,019,000

PATENTS, TRADE MARKS AND DESIGNS.

Statement showing the number of Patents applied for and sealed, and of Designs and Trade Marks registered in the United Kingdom.

Years.	Patents.		Designs Registered.		Trade Marks Registered.
	Applications for.	Sealed.	Single.	Sets.	
1880	5,517	3,741	15,555	—	2,752
1881	5,751	3,950	15,307	—	2,276
1882	6,241	4,337	17,046	—	2,563
1903	28,832	15,718	19,531	895	3,748
1904	29,678	15,089	22,565	966	3,842
1905	27,479	14,786	23,069	869	4,261

PAUPERISM.

Statement showing the number of Paupers (exclusive of casual paupers and vagrants) in receipt of relief in the United Kingdom on one day in winter and one day in summer in the undermentioned years, with the proportion of paupers per 10,000 of the estimated population.

Years.	One Day in Winter.		One Day in Summer.	
	Number.	Proportion per 10,000 of Population.	Number.	Proportion per 10,000 of Population.
1891	974,904	259	916,909	243
1892	950,912	250	916,023	240
1893	972,112	254	934,821	243
1894	1,011,170	261	949,587	244
1895	1,014,691	260	976,680	249
1901	990,815	240	965,688	232
1902	1,015,843	243	986,199	235
1903	1,040,107	247	997,532	235
1904	1,061,314	250	1,027,175	240
1905	1,127,570	262	1,075,237	249

IMPERIAL REVENUE AND EXPENDITURE.

Statement showing the Imperial Revenue and Expenditure of the United Kingdom.

Years ended March 31st.	Revenue.	Expenditure.
1896-1897	103,949,885	101,476,669
1897-1898	106,614,004	102,935,994
1898-1899	108,336,193	108,150,236
1899-1900	119,839,905	133,722,407
1900-1901	130,384,684	183,592,264
1901-1902	142,997,999	195,522,215
1902-1903	151,551,698	184,483,708
1903-1904	141,545,579	146,961,136
1904-1905	143,370,404	141,956,497
1905-1906	143,977,575	140,511,955

Note.—The figures in the above statement of revenue only include what are known as Exchequer receipts, but are exclusive of sums raised on capital accounts, of payments to local taxation account, and of sums intercepted by Government departments. These sums amounted in 1904-5 to £32,090,000 or thereabouts. The expenditure figures are similarly affected by the exclusion of these amounts.

THE NATIONAL DEBT OF THE UNITED KINGDOM.

Statement showing the Gross Capital Liabilities and total estimated Assets of the State.

Year ended March 31st.	Nominal Amount of Funded Debt.	Estimated Capital Liabilities in respect of Terminable Annuities.	Unfunded Debt.	Other Capital Liabilities.	Total Aggregate Gross Liabilities.	Total Estimated Assets, including Exchequer Balances.
	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.
1896-1897	587,699	45,292	8,133	4,048	645,172	33,137
1897-1898	585,787	41,150	8,133	3,747	638,817	36,160
1898-1899	583,186	38,702	8,133	7,372	635,393	36,074
1899-1900	552,607	60,191	16,133	9,989	638,920	28,697
1900-1901	551,182	60,155	78,133	14,464	703,934	32,116
1901-1902	609,587	60,295	75,133	20,200	765,215	37,229
1902-1903	640,086	55,560	75,133	27,570	798,349	38,406
1903-1904	637,633	51,363	73,633	31,868	794,498	35,363
1904-1905	635,682	47,756	71,633	41,664	796,736	40,404
1905-1906	634,047	43,459	65,713	45,770	788,990	44,118

CUSTOMS RECEIPTS.

Statement showing the net receipts from the principal heads of Customs Duties of the United Kingdom.

Years ended March 31st.	Coal Exported.	Coffee.	Corn and Grain.	Currants, Raisins, and Dried Fruits.	Spirits, Foreign and Colonial.	Sugar.
	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.
1896-1897		172		401	4,318	
1897-1898		170		390	4,300	
1898-1899		174		382	4,236	
1899-1900		192		424	4,899	
1900-1901		190		349	4,770	
1901-1902	1,312	174		380	4,582	6,399
1902-1903	1,992	179	2,347	417	4,740	4,479
1903-1904	2,052	188	101	450	4,458	5,726
1904-1905	2,053	179		442	3,822	6,106
1905-1906	2,184	181		475	3,724	6,178

Years ended March 31st.	Tea.	Tobacco and Snuff.	Wine.	Other Imported Articles.	Miscellaneous Receipts.	Total.
	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.
1896-1897	3,799	11,018	1,296	224	36	21,266
1897-1898	3,868	11,434	1,325	267	38	21,792
1898-1899	4,024	10,994	1,399	273	78	21,558
1899-1900	4,629	10,886	1,730	282	2	23,043
1900-1901	6,265	12,839	1,488	332	39	26,270
1901-1902	5,793	10,568	1,450	347	43	31,045
1902-1903	5,975	12,451	1,524	319	39	34,461
1903-1904	6,560	12,627	1,336	364	60	33,921
1904-1905	8,272	13,185	1,185	349	27	35,621
1905-1906	6,815	13,381	1,176	369	1	34,485

NOTE.—The Spirit Duties are exclusive of the amount of duties collected for the Local Authorities for Technical Education.

EXCISE RECEIPTS.

Statement showing the net receipts from the principal heads of Excise Duties levied in the United Kingdom.

Years ended March 31st.	Beer.	Spirits.	Chicory.	Glucose.	Coffee Mixture Labels.	Railways.	Licences.	Other Receipts.	Total.
	Thous. £'s.	Thous. £'s.	Thous. £'s.	Thous. £'s.	Thous. £'s.	Thous. £'s.	Thous. £'s.	Thous. £'s.	Thous. £'s.
1896-1897	10,901	16,013	1.5		1.7	272	241	4.2	27,435
1897-1898	11,388	16,398	1.3		1.5	288	243	4.2	28,323
1898-1899	11,638	17,109	1.4		1.7	309	247	4.4	29,311
1899-1900	11,888	19,335	1.1		1.6	328	249	5.0	31,809
1900-1901	13,491	19,207	1.0		1.5	331	250	5.1	33,287
1901-1902	13,276	17,647	1.1	64	1.5	350	253	4.7	31,598
1902-1903	13,264	18,164	1.0	89	2.1	370	253	5.1	32,148
1903-1904	13,027	17,815	1.1	83	2.5	359	253	5.2	31,547
1904-1905	12,679	17,307	1.5	97	2.3	355	253	3.3	30,698
1905-1906	12,564	16,953	1.4	103	2.0	353	253	1.3	30,231

NOTE.—The amounts included under the heads of "Beer," "Spirits," and "Licences" are exclusive of the amounts collected for local Authorities.

INCOME TAX.

Statement showing the total amount of Income on which Income Tax was received, the total net produce of the Tax, the rate in the £, and the produce of each penny of the Tax.

Years ended April 5th.	Total Income on which Tax levied.	Total Net Produce of Tax.	Rate of Tax in the £	Produce for each Penny.
	Thousand £'s.	Thousand £'s.	s. d.	Thousand £'s.
1895-1896	487,959	16,265	0 8	2,033
1896-1897	503,665	16,789	0 8	2,099
1897-1898	525,211	17,507	0 8	2,188
1898-1899	548,229	18,274	0 8	2,284
1899-1900	564,869	18,829	0 8	2,354
1900-1901	594,106	29,705	1 0	2,475
1901-1902	607,551	35,440	1 2	2,531
1902-1903	608,607	38,038	1 3	2,536
1903-1904	615,012	28,188	0 11	2,563
1904-1905	619,328	30,966	1 0	2,581

NOTE.—For the years 1895-6 to 1897-8 Income Tax was levied on Incomes above £160 (with abatements of £160 on Incomes not exceeding £400, and £100 on Incomes exceeding £400 but not exceeding £500). For the years 1898-9 to 1904-5, the abatement on Incomes exceeding £400 but not exceeding £500 was £150; on Incomes exceeding £500 but not exceeding £600, it was £120; and on Incomes exceeding £600 but not exceeding £700, it was £70.

Statement showing the gross amount of Income in Classes brought under review of the Inland Revenue Department for the purposes of the Income Tax in the years ended April 5th, 1900 to 1905.

Sources of Income.	1902.	1903.	1904.	1905.
	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.
Schedule A.				
FROM THE OWNERSHIP OF LANDS, HOUSES, &C. :—				
Lands	52,463	52,163	52,493	52,258
Houses	184,573	188,505	197,963	201,573
Other Property	1,196	1,219	1,328	1,297
Schedule B.				
FROM THE OCCUPATION OF LANDS :—	17,590	17,542	17,544	17,480
Schedule C.				
FROM BRITISH, INDIAN, COLONIAL AND FOREIGN GOVERNMENT SECURITIES :—				
British	16,162	17,137	15,989	15,940
Indian	3,691	3,745	3,763	3,831
Indian Guaranteed Railways ..	5,190	5,304	4,933	4,929
Colonial	11,833	12,370	12,869	13,554
Foreign	7,413	7,566	7,394	7,327

INCOME TAX—*continued.*

Source of Income.	1902.	1903.	1904.	1905.
	Thousand £'s.	Thousand £'s.	Thousand £'s.	Thousand £'s.
Schedule D.				
FROM BUSINESS CONCERNS, PROFESSIONS, EMPLOYMENTS EXCEPT THOSE OF A PUBLIC NATURE AND CERTAIN INTEREST :—				
Business Professions, etc., not otherwise detailed (including salaries of employés)	361,538	365,096	367,406	365,763
Railways in United Kingdom ..	38,711	38,060	40,607	41,211
Mines	17,642	20,259	21,194	21,236
Gas Works	5,899	5,469	6,776	7,606
Ironworks	6,600	4,021	3,415	3,135
Waterworks	4,707	4,833	5,193	5,327
Canals, etc.	3,236	3,392	3,515	3,608
Quarries	1,633	1,544	1,687	1,729
Markets, Tolls, etc.	757	795	832	854
Fishing and Shootings ..	224	229	216	222
Cemeteries	206	200	183	182
Salt Springs or Works, and Alum Works	85	144	151	154
Indian, Colonial and Foreign Securities (other than Government Securities)	9,368	9,790	10,691	11,404
Coupons (48 & 49 Vic., c. 51, s. 26)	10,454	10,558	10,765	10,465
Railways out of the United Kingdom	14,611	14,497	15,450	14,551
Loans secured on the Public Rates	6,595	7,029	7,762	9,040
Other Interest (Sec. 102 of 5 & 6 Vic., c. 35)	3,888	4,012	4,335	4,334
Other Profits—Classes 3 & 6, Sec. 100 of 5 & 6 Vic., c. 35 ..	1,566	1,709	2,213	3,733
Profits from Occupation of Lands the occupiers of which have elected to be assessed under Schedule D (50 & 51 Vic., c. 15, s. 18)	13	11	10	12
Schedule E.				
SALARIES OF GOVERNMENT, CORPORATION, AND PUBLIC COMPANY OFFICIALS :—				
Government Officials	23,271	22,878	22,630	22,325
Corporation and Public Company Officials	55,880	59,564	63,449	67,049

CONDITION OF TRADE AND PEOPLE.

A STATISTICAL REVIEW OF THE UNITED KINGDOM—1880-1905.

The object of the present Memorandum is to give a broad and comprehensive statistical review of the commercial, financial, and industrial development of the United Kingdom in the year 1905 as compared with 1880. The year 1880 has been adopted as a normal year, and the year 1905 as being the last year for which complete figures are available at the time of going to press.

	1880.	1905.
Imperial Revenue	£79,344,098	£143,977,575
Imperial Expenditure	£82,184,797	£140,511,955
Customs Receipts	£19,326,000	£34,475,000
Excise Receipts	£25,300,000	£30,230,000
Property and Income Tax Receipts ..	£9,230,000	£31,350,000
Income Tax—rate in the £	5d.	1s. 0d.
Do. produce for each 1d. in the £	£1,866,636	£2,580,533
National Debt	£776,504,339	£788,990,187
Net Amount of Property and Profits charged to Income Tax	£486,077,028	£619,328,097
Rateable Value of Property Assessed to Poor Rate in England and Wales ..	£133,769,875	£199,355,590
Imports—total value	£411,229,565	£565,019,917
Do. per head of population ..	£11 17s. 7d.	£13 1s. 5d.
Exports of British Produce—total value ..	£223,060,446	£329,816,614
Do. do. per head of population	£6 8s. 10d.	£7 12s. 7d.
Exports of Foreign and Colonial Produce ..	£63,354,020	£77,779,913
Total Imports and Exports	£697,644,031	£972,616,444
Do. per head of population ..	£20 3s. 0d.	£22 10s. 1d.
Imports from Foreign Countries	£318,710,760	£437,151,191
Exports to do.	£204,886,897	£284,883,607
Imports from British Possessions ..	£92,518,805	£127,868,726
Exports to do. do.	£81,527,569	£122,712,920
Imports of Bullion and Specie	£16,253,883	£51,559,909
Exports of do.	£18,889,503	£45,391,519
Foreign Merchandise transhipped under bond at British Ports	£12,540,255	£14,318,203
Shipping—Tonnage of Vessels (sail and steam) entered and cleared at British and Irish Ports with cargoes (excluding coastwise)—		
Entered—British	tons 17,018,011	tons 27,994,875
Do. Foreign	,, 6,975,269	,, 12,001,851
Cleared—British	,, 18,867,857	,, 32,762,459
Do. Foreign	,, 6,817,813	,, 16,860,664
Total entered	,, 23,993,280	,, 39,996,726
Do. cleared	,, 25,685,670	,, 49,623,123
Shipping—Tonnage of Vessels (sail and steam) entered and cleared coastwise with cargoes :—		
Entered—British	tons 25,924,021	tons 32,287,868
Do. Foreign	,, 98,528	,, 266,810
Cleared—British	,, 23,665,315	,, 31,924,679
Do. Foreign	,, 65,609	,, 253,623
Total entered	,, 26,022,549	,, 32,554,678
Do. cleared	,, 23,730,924	,, 32,178,302

CONDITION OF TRADE AND PEOPLE—*continued.*

	1880.	1905.
Net Tonnage of Vessels registered in the United Kingdom :—		
Sailing Vessels	tons 3,851,045	tons 1,670,766
Steam Vessels	,, 2,723,468	,, 9,064,816
Average Gazette Prices of Grain, etc. :—		
Wheat ..... per imperial quarter	£2 4s. 4d.	£1 9s. 8d.
Barley ..... ,, ,,	£1 13s. 1d.	£1 4s. 4d.
Oats..... ,, ,,	£1 3s. 1d.	£0 17s. 4d.
Total Area of Great Britain	acres 56,742,508	acres 56,787,669
Cultivated area of do.	,, 32,101,909	,, 32,286,832
Acreage under Corn Crops..	,, 8,875,702	,, 7,054,232
Do. Green Crops	,, 3,476,653	,, 3,077,042
Do. Permanent Pasture ..	,, 14,426,959	,, 17,200,494
Horses used for Agriculture	No. 1,421,180	No. 1,572,433
Cattle	,, 5,912,046	,, 6,987,020
Sheep	,, 26,619,050	,, 25,257,196
Pigs	,, 2,000,842	,, 2,424,919
(NOTE.—The figures for Ireland are not included.)		
Estimated total produce in Great Britain of—		
Wheat	bushels 80,215,877*	bushels 58,902,499
Barley and Beri	,, 73,912,739*	,, 58,110,064
Oats	,, 109,397,129*	,, 116,436,887
Beans	,, 11,518,284*	,, 8,201,730
Potatoes	tons 3,743,203*	tons 3,762,706
Turnips and Swedes	,, 27,073,322*	,, 21,840,582
Mangold	,, 5,557,662*	,, 8,213,260
Hay (all kinds)	,, 8,730,979†	,, 8,231,360
Railways in the United Kingdom :—		
Length of lines open	miles 17,933	miles 22,847
Total paid up Capital	£728,316,848	£1,282,801,000
No. of Passengers Conveyed	No. 603,885,025	No. 1,199,022,000
Weight of Minerals and Merchandise Conveyed	tons 235,305,629	tons 461,139,000
Receipts from Passenger Traffic ..	£27,200,464	£48,720,120
Do. Goods Traffic	£35,761,303	£56,411,589
Average Receipts (passenger and goods) per mile of line open	£3,534	£4,601
Miscellaneous Receipts	£2,529,858	£8,399,310
Total Receipts	£65,491,625	£113,531,019
Working Expenditure	£33,601,124	£70,064,663
Net Receipts	£31,890,501	£43,466,356
Proportion of Working Expenditure to gross receipts	51 per cent.	62 per cent.
Tramways in United Kingdom :—		
Length of line open	miles 368	miles 2,117
Paid-up Capital	£5,691,669	£51,501,410
No. of Passengers conveyed	No. 173,067,103	No. 2,068,913,226
Gross Receipts	£1,342,933	£9,917,026
Working Expenses	£1,072,569	£6,565,049
Net Receipts	£270,364	£3,351,977

* 1884 † 1885.

CONDITION OF TRADE AND PEOPLE—*continued.*

	1880.	1905.
Post Office Savings Banks :—		
No. of Accounts	No. 2,184,972	No. 9,963,049
*Amount deposited during year ..	£11,079,137	£45,867,823
Amount withdrawn during year ..	£9,346,634	£42,096,037
Total Amount due to Depositors ..	£33,744,637	£152,111,140
Trustee Savings Banks :—		
No. of Accounts	No. 1,519,805	No. 1,731,869
†Amount deposited during year ..	£9,008,315	£13,218,125
Amount withdrawn during year ..	£10,076,557	£14,083,437
Total Amount due to Depositors ..	£43,976,447	£52,723,436
Bankers' Clearing House, London :—		
Total Amount cleared	£5,794,000,000	£12,288,000,000
Industrial and Provident (Co-operative Societies) :—		
Number making Returns	No. 1,182	No. 2,185
Number of Members	No. 603,852	No. 2,195,400
Share Capital	£6,225,993	£28,254,716
Loan Capital or Amount due to Depositors	£1,341,290	£13,031,261
Cash received for goods sold.. ..	£23,248,314	£92,789,884
Average Bank Rate..	per cent. $2\frac{3}{4}$	per cent. 3
Average price of Consols 3% in 1880, $2\frac{3}{4}$% in 1903	£$98\frac{3}{8}$	£$89\frac{13}{16}$
Post Office (United Kingdom) :—		
Number of Letters delivered ..	No. 1,128,000,000	No. 2,707,000,000
Do. per head of population ..	No. 33	No. 62
Number of Newspapers, Circulars, Book-packets, etc.	No. 345,000,000	No. 1,077,000,000
Number of Postcards	No. 115,000,000	No. 800,000,000
Number of Telegraph Messages ..	No. 26,547,000	No. 96,625,176
Number of Parcels	‡No. 22,114,233	No. 100,579,014
Number of Patents Sealed	No. 3,741	No. 14,786
Do. Designs Registered	No. 15,555	No. 23,069
Do. Trade Marks Registered ..	No. 2,752	No. 4,261
Population of United Kingdom	No. 34,622,930	No. 43,221,123
Do. England and Wales ..	No. 25,714,288	No. 34,152,977
Do. Scotland	No. 3,705,994	No. 4,676,603
Do. Ireland	No. 5,202,648	No. 4,391,543
Emigrants (British and Irish)	No. 227,542	No. 262,077
Immigrants from Countries out of Europe :—		
British and Irish	No. 47,007	No. 122,712
Foreigners	No. 21,309	No. 77,908
Not distinguished	—	No. 4,573
Pauperism (indoor and outdoor) :—		
Number of Paupers in England and Wales, January 1st	No. 837,940	No. 932,267
Expended in relief of poor	£8,015,010	£13,851,981
Crime—England and Wales :—		
Number of Criminals convicted at Assizes and Quarter Sessions	No. 11,214	No. 10,481

NOTE.—Some of the figures given in the above tables are subject to qualification as to dates and other matters which could only be given in comprehensive notes. The table is not therefore intended to be used for exact statistical comparisons, but only to furnish a broad comparison of the changes which have taken place in the period mentioned.

* Including Interest credited.

† Excluding Interest credited.

‡ 1884.

GOVERNMENT DEPARTMENTS.

Memorandum showing the chief functions and the names of the principal officers and addresses of certain departments of the Civil Service and other Government Departments concerned with Commercial matters.

BOARD OF AGRICULTURE AND FISHERIES.

The principal functions of the Board of Agriculture and Fisheries are to collect and publish statistics and intelligence with regard to agriculture in Great Britain, to promote agricultural education in England and Wales, to administer the Sale of Food and Drugs Acts in Great Britain so far as they relate to Agricultural produce, to take steps for the prevention of the importation or spread of certain diseases of animals, to control the redemption of the tithe-rent charge and the enclosure of common-land, to administer the Acts relating to the improvement of properties by limited owners, to perform functions with regard to fisheries which were formerly performed by the Board of Trade, to control the Ordnance Survey of the United Kingdom, etc., etc.

The addresses of the Board of Agriculture and Fisheries are (a) 4, Whitehall Place; (b) 3, St. James's Square; and (c) 3, Delahay Street, London, S.W.

PRESIDENT :—The Rt. Hon. Earl Carrington, G.C.M.G.
SECRETARY :—Sir Thomas Henry Elliott, K.C.B.
CHIEF AGRICULTURAL ANALYST :—Prof. T. E. Thorpe, C.B., D.Sc., F.R.S.

COLONIAL OFFICE.

As the name implies, the Colonial Office is concerned entirely with business relating to His Majesty's Colonies and Dominions beyond the seas.

The Colonial Secretary possesses an advisory power of veto on the legislation of the self-governing colonies, and is responsible for the government of the remaining dominions in inverse proportion to the amount of self-government granted to them.

ADDRESS :—Downing Street, London, S.W.
PRINCIPAL SECRETARY OF STATE FOR THE COLONIES :—Rt. Hon. The Earl of Elgin, K.G., G.C.S.I., G.C.I.E.
PERMANENT UNDER SECRETARY :—Sir Francis J. S. Hopwood, K.C.B., C.M.G.
PARLIAMENTARY SECRETARY :—Mr. Winston Churchill, M.P.
ASSISTANT UNDER SECRETARIES :—Frederick Graham, C.B., C. P. Lucas, C.B., Hugh Bertram Cox, C.B. (legal), Reginald L. Antrobus, C.B.

CROWN AGENTS FOR THE COLONIES.

The Crown Agents for the Colonies are appointed by the Colonial Secretary; they perform in this country the functions of commercial and financial agents for all Colonial Governments which do not possess an Agent-General. There are Agents-General for all the self-governing Colonies :—

ADDRESS :—Whitehall Gardens, London, S.W.
CROWN AGENTS :—Sir E. E. Blake, K.C.M.G.; Major M. A. Cameron, C.M.G., R.E.; W. H. Mercer, C.M.G.
SECRETARY :—P. H. Ezekiel.

Agents for Antigua, Bahamas, Barbados, Basutoland, Bechuanaland Protectorate, Bermuda, British Guiana, British Honduras, Central Africa Protectorate, Ceylon, Cyprus, Dominica, East Africa Protectorate, Falkland Islands, Fiji, Gambia, Gibraltar, Gold Coast, Grenada, Hong Kong, Jamaica, Lagos, Leeward Islands, Malta, Mauritius, Montserrat, Newfoundland, Northern Nigeria, Southern Nigeria, Orange River, St. Helena, St. Kitts-Nevis, St. Lucia, St. Vincent, Seychelles, Sierra Leone, Somaliland Protectorate, Straits Settlements (Singapore, Penang, and Malacca, and Native States of Negri Sembilan, Pahang, Perak, and Selangor), Transvaal, Trinidad and Tobago, Turk's Island, Uganda Protectorate, Virgin Islands, Wei-Hai-Wei, and also for the Uganda and Central South African Railways, the West African Frontier Forces, the King's African Rifles, the South African Constabulary, the Government of Zanzibar, and to the Tanjong Pagar Dock Board, Singapore.

GOVERNMENT DEPARTMENTS—*continued.*

CUSTOMS ESTABLISHMENT.

The Board of Customs consists of a Chairman, Deputy-Chairman, and a Commissioner, and is one of the four great revenue-collecting bodies of the Kingdom. In addition to the administration of the Customs Laws and the collection of Import and Export Duties, the Customs Establishment performs other functions, such as the collection of light dues; the performance of certain duties in connection with the shipment and discharge of crews, and other matters connected with the Mercantile Marine; work for the Board of Trade as receivers of wrecks and in the registration of ships, and also as collectors of Harbour Dues at Holyhead and Ramsgate, and as collectors of special information relating to the immigration of aliens; and work for other Government Departments. The compilation of the tables of Imports and Exports in the Monthly Trade Accounts and the Annual Statement of Trade is exclusively the work of the Customs Statistical Office.

ADDRESS :—Customs House, London.
CHAIRMAN :—Sir Thomas J. Pittar, K.C.B., C.M.G.
DEPUTY CHAIRMAN :—Frederick S. Parry, C.B.
COMMISSIONER :—Richard F. Crawford.
SECRETARY :—Robert Henderson, C.B.
PRINCIPAL, Statistical Office :—Alfred J. Wood, I.S.O.

FOREIGN OFFICE.

The Foreign Office is the headquarters of diplomacy. Our relations with Foreign Powers are controlled there. The welfare of our Foreign Commerce depends largely upon the efforts of the Minister for Foreign Affairs.

ADDRESS :—Downing Street, London, S.W.
PRINCIPAL SECRETARY OF STATE FOR FOREIGN AFFAIRS :—Rt. Hon. Sir Edward Grey, M.P.
PERMANENT UNDER SECRETARY :—Rt. Hon. Sir Chas. Hardinge, G.C.M.G., G.C.V.O., C.B., I.S.O.
PARLIAMENTARY SECRETARY :—Rt. Hon. Lord Edmund Fitzmaurice.
ASSISTANT UNDER SECRETARIES :—F. A. Campbell, C.B., C.M.G.; Sir Eldon Gorst, K.C.B.; and Hon. Sir Eric Barrington, K.C.B.

HOME OFFICE.

Among the many functions of the Home Office are those connected with the administration of the Factory Acts, the Explosives Acts, and the Acts relating to Coal and Metalliferous Mines.

ADDRESS :—Whitehall, London, S.W.
PRINCIPAL SECRETARY OF STATE FOR HOME AFFAIRS :—Rt. Hon. H. Gladstone, M.P.
PERMANENT UNDER-SECRETARY :—Sir M. D. Chalmers, C.B., C.S.I.
PARLIAMENTARY SECRETARY :—Herbert Samuel, M.P.
ASSISTANT UNDER-SECRETARIES:—H. H. S. Cunynghame, C.B. (legal); C. E. Troup, C.B., and E. R. H. Blackwell.
CHIEF INSPECTOR OF FACTORIES :—B. Arthur Whitelegge, C.B., M.D.
CHIEF INSPECTOR OF EXPLOSIVES :—Captain J. H. Thomson, late R.A.

INDIA OFFICE.

The principal work of the India Office is the conduct of affairs with respect to India. The functions of the India Office are controlled by a Secretary of State assisted by a Council.

ADDRESS :—Whitehall, London, S.W.
PRINCIPAL SECRETARY OF STATE FOR INDIA :—Rt. Hon. John Morley, M.P.
PARLIAMENTARY SECRETARY :—C. E. Hobhouse, M.P.
PERMANENT UNDER-SECRETARY :—Sir Arthur Godley, K.C.B.
DIRECTOR-IN-CHIEF OF THE INDO-EUROPEAN TELEGRAPH—PUBLIC WORKS DEPT. :—H. A. Kirk.
DIRECTOR-GENERAL, STORE DEPARTMENT :—E. G. Burls, C.S.I.
GOVERNMENT DIRECTOR OF INDIAN RAILWAY COMPANIES :—A. Brereton, C.S.I.

GOVERNMENT DEPARTMENTS—*continued.*

INLAND REVENUE OFFICES.

The internal or Inland Revenue of the Country is derived from Excise Duties, Death Duties, Stamps, and Taxes. The Post Office collects a portion of the Inland Revenue, but the principal share is collected by the Board of Inland Revenue, established in 1849. The Board is composed of a Chairman, Deputy-Chairman, and two Commissioners, with the necessary secretarial and clerical staff.

ADDRESS :—Somerset House, London, W.C.
CHAIRMAN :—Sir H. W. Primrose, K.C.B., C.S.I., I.S.O.
DEPUTY CHAIRMAN :—Laurence N. Guillemard, C.B.
COMMISSIONERS :—B. Mallet, E. E. N. Bower.
SPECIAL COMMISSIONERS OF INCOME TAX :—W. Gyles, H. W. Page-Phillips, S. P. Foster.
JOINT SECRETARIES :—J. B. Meers, C.B. (Excise); E. E. Stoodley C.B. (Stamps and Taxes).
REGISTRAR OF JOINT STOCK COMPANIES :—H. F. Bartlett, I.S.O.

LOCAL GOVERNMENT BOARD.

The Local Government Board was created by the Local Government Board Act, 1871, and consists of the Lord President of the Council, the Secretaries of State, the Lord Privy Seal, the Chancellor of the Exchequer, and a Political President. The functions of the Board include the exercise of control over Local Authorities in certain matters, including the raising of loans for public works.

ADDRESS :—Whitehall, London, S.W.
PRESIDENT :—Rt. Hon. John Burns, M.P.
PARLIAMENTARY SECRETARY :—Dr. T. J. Macnamara, M.P.
PERMANENT SECRETARY :—Sir S. B. Provis, K.C.B.

PATENT OFFICE.

The principal functions of the Patent Office are to administer the Law with regard to the issue of Letters Patent for new inventions, and the registration of trade marks and designs. The Office is under the control of the Board of Trade.

ADDRESS :—25, Southampton Buildings, London, W.C.
COMPTROLLER-GENERAL :—C. N. Dalton, C.B.
REGISTRAR OF DESIGNS AND TRADE MARKS :—Ralph Griffin.

POST OFFICE.

In 1844 a House of Commons Report stated that it was "uncertain at what precise period the Crown undertook to be the regular carrier of letters for its subjects." The first "Master of the Posts" was appointed in 1516, but the duty was not then undertaken as a remunerative one. At the present time the Post Office is one of the four great revenue collecting departments, and makes an annual profit of about £4,000,000. In addition to acting as carrier and distributor of letters, the Post Office issues Postal and Money Orders, administers the Government Savings Banks, provides the Country with its telegraph system, and controls the trunk telephone lines.

ADDRESS :—St. Martins-le-Grand, London, E.C.
POSTMASTER-GENERAL :—Rt. Hon. Sydney Buxton, M.P.
SECRETARY :—H. Babington Smith, C.B., C.S.I.

BOARD OF TRADE.

In the year 1660 Charles II. established a "Board of Trade and Plantations." In the place of this body a "Committee of the Council on Trade" was established in 1786. In practice, the "Board of Trade" and the "President of the Board of Trade" are one and the same. Among its manifold functions are the following: to collect Trade and Labour statistics; to disseminate information respecting Trade, Commerce, and Industry; to control the issue of Patents; to keep the standards of Weights and Measures; to

GOVERNMENT DEPARTMENTS—*continued.*

conduct the non-legal machinery of Bankruptcy; to control the registration of Joint Stock Companies; and to perform certain functions with regard to Railways, Tramways, Waterworks, Gasworks, Electric Lighting, Harbours, Lighthouse, and Merchant Shipping.

ADDRESS :—Whitehall Gardens, London, S.W.
PRESIDENT :—Rt. Hon. D. Lloyd George, M.P.
PARLIAMENTARY SECRETARY :—Hudson E. Kearley, M.P.
PERMANENT SECRETARY :—H. Llewellyn Smith, C.B.
HARBOUR DEPT. ASSISTANT SECRETARY :—Hon. T. H. W. Pelham, C.B.
MARINE DEPT. ASSISTANT SECRETARY :—W. J. Howell, C.B.
FINANCE AND GENERAL DEPT. ASSISTANT SECRETARY :—Sir T. W. P. Blomefield, Bt., C.B.
RAILWAY DEPT. ASSISTANT SECRETARY :—Col. Sir H. Jekyll, K.C.M.G.

Commercial, Labour, and Statistical Department :—

ADDRESSES :—Labour Branch.—43, Parliament Street, London, S.W.
Statistical Branch.—1, Whitehall, London, S.W.
Commercial Intelligence.—73, Basinghall Street, London, E.C.
COMPTROLLER GENERAL :—A. Wilson Fox, C.B.
LABOUR COMMISSIONER :—
PRINCIPAL FOR STATISTICS :—H. R. Bence Jones.
PRINCIPAL FOR COMMERCIAL INTELLIGENCE :—T. Worthington.
PRINCIPAL, COMMERCIAL DEPT. :—G. J. Stanley.

IMPERIAL AND LOCAL FINANCE AND TAXATION OF THE UNITED KINGDOM.

MEMORANDUM ON THE IMPERIAL AND LOCAL REVENUE AND EXPENDITURE OF THE UNITED KINGDOM.

INTRODUCTION.

(1) The object of this Memorandum is to give a general review of the Imperial and Local Revenue and Expenditure and Debt of the United Kingdom, together with particulars shewing the rate and extent of their increase during a period of over twenty years. The subject is dealt with in three divisions, as follows :—

(1) Imperial Revenue and Expenditure and Debt;
(2) Local Revenue and Expenditure and Debt;
(3) Aggregate Public Revenue and Expenditure and Debt.

(2) The figures and statistics contained in the Memorandum are taken from a Report published by the Birmingham Chamber of Commerce in October, 1906. This will account for the fact that for the purposes of Imperial Income and Expenditure, 1904-5 is the latest year dealt with, and for those of the Local Authorities the year 1902-3. At the time of writing the figures for 1905-6 and for 1903-4 are before us, but having regard to the labour which would be involved in making use of these figures, it is proposed to confine the Memorandum to the figures published in the Report. In our next issue it will be possible to bring the statistics up-to-date.

IMPERIAL REVENUE.

(3) The ordinary State Revenue of the United Kingdom in the year 1881-2 was £83,955,229, and in the year 1904-5 it was £143,370,404, representing an increase of nearly 71 per cent. The proportion of State Revenue per head of the population in the first-named year was £2 7s. 8d., whilst in the latter year it reached £3 6s. 4d., representing a per capita increase of 39 per cent.

(4) The figures given in the previous paragraph include only what are termed Exchequer receipts. They do not include borrowings on capital account and sundry other items of revenue, nor do they include certain moneys, amounting in the aggregate to a considerable sum, which are intercepted. For instance, in 1904-5 sums amounting in the

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aggregate to £11,912,630 were received into the Exchequer from the creation of new debt and the appropriation of a million pounds from the Unclaimed Dividends Account, whilst further sums amounting in the aggregate to £20,015,416 were intercepted on their way to the Exchequer, and do not appear in the accounts of Exchequer receipts. This is explained by the fact that these sums are intercepted on their way to the Exchequer and applied, by virtue of various Acts of Parliament passed since 1866, to definite specific purposes. They never reach the Exchequer at all, and cannot therefore figure either in its receipts or its issues. Nevertheless, every penny of this twenty millions is a national receipt and every penny of it a national expenditure. In consequence of this it is practically impossible to make an accurate comparison between one year and another, since the amounts thus withdrawn vary from year to year. So that the National Finance Accounts are incomplete and misleading, and differ materially from what they would be if all that belongs to them were properly and adequately set forth. The difficulty of obtaining a true representation of the gross income and expenditure of the nation is accentuated by the fact that no single Government Blue Book gives a true and clear account of all that is received on the one side and all that is expended on the other. The seriousness of this defect may be best explained by taking the figures for one year. In the "Statistical Abstract of the United Kingdom" the actual Imperial Revenue for the year 1904-5 is given as £143,370,405. The total receipts into the Exchequer, however, amounted to £155,283,035, the difference being made up of the following amounts, viz. :—

Money raised by creation of new debt, £10,912,630.
Appropriated from Unclaimed Dividends Account, £1,000,000.

But, even with these amounts added, we have not arrived at the total amount of the Revenue of the State, for, as has been pointed out above, sums aggregating £20,015,416 were intercepted on their way to the Exchequer. This large sum is made up of £9,812,416 intercepted from Customs and Excise and Estate Duty payments for the purposes of the Local Taxation Account ; the sum of £9,710,351 intercepted from Post Office Revenue, Army Revenue, Navy Revenue, Civil Services and Revenue Departments for Appropriations-in-Aid ; and the sum of £492,649 intercepted from Customs for the Trinity House Board. Thus the grand total of the Revenue of the United Kingdom in 1904-5 was £175,298,451, and not the figure given in the Statistical Abstract, namely, £143,370,405. It will thus be seen that, in attempting to set forth the actual Revenue of the State, we must either take the figures as published in some particular return or analyse a number of returns with the object of extracting figures comparable with those just quoted. The latter course, would, however, be exceedingly difficult and complicated, and we have therefore decided to adhere to the returns from which the figures given in paragraph 3 have been taken. It should, therefore, be carefully borne in mind that whilst, through the medium of these figures, it is possible to ascertain the measure of the increase of State Revenue over a period of years, the actual gross revenue for any particular year can only be ascertained by bringing other items into account—items which in 1904-5 amounted to nearly £32,000,000.

(5) The principal sources of Imperial Revenue are Customs Duties ; Inland Revenue, including Excise Duties, Estate Duties, Stamps, Land Tax, House Duty, Property Tax and Income Tax ; Income derived from the Post Office and Telegraph Service ; and Miscellaneous Revenue.

(6) The following short statement shows the amount of Imperial Revenue received from the sources referred to in the years 1881-2 and 1904-5 :—

	1881-2 Million £'s.	1904-5 Million £'s.	Increase per cent.
Customs Revenue	19.3 ..	35.7 ..	85.0
Inland Revenue	51.3 ..	84.8 ..	65.3
Post Office and Telegraphs ..	8.6 ..	19.9 ..	131.4
Miscellaneous	4.8 ..	3.0 ..	37.5 decrease.

It will thus be observed that most of the Revenue of the United Kingdom is raised by means of direct and indirect taxation. Customs Revenue is raised principally from

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duties levied on imports of food, drink, and tobacco. Of the Inland Revenue, Excise Duties in 1904-5 contributed £30,700,000, of which thirty millions were paid on beer and spirits ; Estate, &c., Duties realised £13,000,000 ; Stamp Duties, £7,800,000 ; and Property and Income Tax £31,260,000.

(7) The item of Imperial Revenue derived from taxation which calls for particular comment is that of Income Tax. Customs and Excise Duties are indirect taxes or consumption duties which fall upon all classes of the population in proportion to their consumption of the dutiable articles. Income Tax, on the other hand, is a direct impost, and is, moreover, levied on a comparatively small section of the population.

(8) The first Income Tax was imposed in 1798 at the instance of Mr. Pitt, and after undergoing certain changes, it ceased in 1816. In the 43rd Report (1900) of the Commissioners of Inland Revenue it is stated that : "The present Income Tax began in 1842. "Sir Robert Peel, then Chancellor of the Exchequer, proposed it, not as a war tax, but "for the purpose of repairing the deficiency which then occurred in the revenue, to meet "the expenditure of the country, and to enable the then Government to reduce or abolish "various customs duties which they regarded as detrimental to the commerce and manu-"factures of the kingdom." Whatever may have been the original intention of the tax, it has invariably been looked upon as a war tax, or as a tax to be specially resorted to in time of national emergency, and to be reduced as soon as possible after either of those events. The temporary character of the tax is evidenced by the fact that from year to year its continuance is based upon a special Act of Parliament. It is therefore difficult to reconcile the repeated promises of Chancellors of the Exchequer with actual facts.

(9) In the year 1894-5 the amount of the Income Tax was raised to 8d. in the pound, and remained at this figure until 1900-1, when, in consequence of the South African War, it was increased to 1s. In 1901-2 it was raised to 1s. 2d., and in 1902-3 to 1s. 3d. Some relief was experienced in 1903-4, when the poundage was reduced to 11d., but in 1904-5 it was again increased to 1s., at which amount it still stands.

(10) One of the objections which has been made against the Income Tax is that its administration is unduly inquisitorial ; another objection is the widely varying rate in the pound ; a third is the high level at which it is maintained in time of peace ; and a fourth that under Income Tax Law the figure of profit upon which the tax is levied is really larger than the actual profit earned, owing to the fact that the usual allowances for wear and tear and depreciation are insufficient, and that certain other regular expenses of the business are not allowed to be charged at all. The rate in the pound has been changed no less than fourteen times during the last twenty-two years, whilst during the same period the scale of exemption and abatement has been altered on three occasions in order to give relief to smaller incomes. A fifth objection to the tax—and one which is much more pronounced when the poundage is high—is that it unduly penalises, first, the man whose income is taxed at its source ; secondly, the man whose income is publicly known ; and thirdly, the man who makes an honest return ; because the man who endeavours to evade the tax, or some portion of it, by neglecting to make a return of his income, and the man who makes an inaccurate or false return, invariably hopes to, and frequently does, escape a portion of his due burden. Many estimates have been made from time to time of the sum of money lost to the Revenue each year in consequence of evasion and fraud. It has been asserted by some that if every person liable were to pay his proper share of the tax it would be possible to reduce the rate by 3d. in the pound, and others have said that the difference would be more nearly represented by 6d. in the pound. It is, however, impossible to say definitely what the difference would be, but evidence points to the presumption that the leakage occasioned by fraud and evasion is considerable. When the tax is at a high figure there is certainly a greater inducement to evade it if possible, and thus the burden of the tax is accentuated in the case of those who honestly pay the amount due from them.

(11) Addressing a meeting of the Institute of Bankers in June, 1905, Mr. Edgar Speyer said :—"In the ten years from 1885 to 1895 £143,000,000 were raised from "Income Tax to cover national expenditure. In the past ten years no less than "£264,000,000 were raised in this manner, an increase of 86 per cent. There cannot be

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"any doubt whatever that so large a sum of Income Tax taken out of the profits of the "people has affected the growth of the capital fund—that standing army upon which "the nation's safety and prosperity so largely depend." The growth of the amount raised from Income Tax in certain years since 1882, together with the rate in the pound and the net produce of each penny in the pound, is shown in the following figures :—

	Total Revenue from Income Tax.	Rate in the £.	Net produce from each penny in £.
	£	s. d.	£
1882	9,945,000 ..	0 5 ..	1,915,683
1892	13,810,000 ..	0 6 ..	2,238,130
1902	34,800,000 ..	1 2 ..	2,531,462
1904	30,800,000 ..	0 11 ..	2,562,551
1905	31,250,000 ..	1 0 ..	2,580,533

It is impossible to carry this comparison further by contrasting the number of individual Income Tax payers, because many persons pay under more than one schedule and also in several districts.

(12) Calculations based on the above figures show that the total revenue derived from the Income Tax in 1892 represented an increase of 38.9 per cent. over that of 1882 ; whilst the net produce of each penny in the pound increased only by 16.7 per cent. Comparing the figures for 1904 with those for 1882 we find the increase of the total revenue from the tax to be over 210 per cent., whilst the increase of the net produce for each penny in the pound was only 33.3 per cent. The difference between the two figures represents in a measure the increased burden imposed on the Income Tax payers. No other item of Imperial taxation represents so heavy a burden as that of Income Tax, which at 1s. in the pound involves an impost of 5 per cent. on profits earned.

IMPERIAL EXPENDITURE.

(13) When we turn to the expenditure side of the Imperial Finance Accounts we are able to obtain a better knowledge of the rapid growth of expenditure during the last ten years. In the five years ended 31st March, 1900-4, partly in consequence of the South African War, the ordinary revenue derived from taxation and other sources failed to meet the demands of the spending departments by no less a sum than £157,961,865, so that the State had to supplement its ordinary revenue by borrowing from the public, and thus increasing the National Debt. But independently of extraordinary expenditure caused mainly by the South African War, national expenditure has been increasing more rapidly than the population, as is shown by the following figures :—

Year ending 31st March.	Total expenditure.	Per head of population.
1882	£83,605,503 ..	£2 7 6
1886	92,223,844 ..	2 10 9
1890	86,083,314 ..	2 5 10
1894	91,302,846 ..	2 7 1
1897	101,476,669 ..	2 10 9
1898	102,935,994 ..	2 11 0
1899	108,150,236 ..	2 13 0

The highest point yet reached in the history of the country was attained in 1901-2, when the total Imperial expenditure was £195,522,215, or £4 13s. 2d. per head of the population ; but when we come to 1904-5, and war expenditure has entirely ceased, we find the expenditure to be £141,956,497, or £3 5s. 8d. per head of the population.

(14) From these figures it will be seen that, comparing the years ended respectively 31st March, 1882, and 1899, there was an aggregate increase in expenditure of about 30 per cent., involving an increase of nearly 11 per cent. per head of the population ; whilst if we compare 1905 with 1882 the aggregate increase is nearly 70 per cent. and the per capita increase nearly 38½ per cent.

(15) The immensity of Imperial Expenditure can best be realised by ascertaining the aggregates for successive periods of ten years, and for this purpose we will take as our starting-point the decade 1881-2 to 1890-1. The result is as follows :—

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Decade, year ended 31st March.	Aggregate expenditure.	Yearly average.
1882-1891	£877,030,517	£87,703,052
1885-1894	891,788,107	89,178,811
1890-1899	949,667,830	94,966,783
1896-1905	1,396,565,483	139,656,548

So that during the past decade the aggregate expenditure out of the Exchequer has exceeded that of the decade 1882-1891 by the enormous sum of £519,534,966, being an average increase of £51,953,497 per annum.

(16) It is difficult to realise the seriousness of such expenditure as this. Mr. Edgar Speyer, in the address previously referred to, speaking of the aggregate increase in national expenditure during the past decade, said : "We are not concerned here with the question "whether this huge expenditure was justified or not, but I only want to point out the fact, "already stated, that these enormous outlays have very seriously encroached upon the "income which the nation would have received had these moneys been invested in "reproductive works. At 5 per cent. interest the annual loss at simple interest would be "£26,000,000 per annum, and were allowance made for a normal growth in expenses "arising from increased population and additional expenditure upon education, the net "loss of income to the nation from the excessive growth of national expenditure is about "£24,000,000 per annum." This argument obviously assumes that the general commercial situation would have been the same had the increased expenditure not been undertaken. Whilst accepting no responsibility for this proposition, we at any rate believe it to be a forcible presentation of an important aspect of the subject.

(17) The figures we have quoted would be sufficient to cause alarm if they contained the whole truth. But they do not. They include only what is officially called "Expenditure chargeable against Revenue." *They do not include expenditure on capital account, or expenditure out of receipts which never reach the Exchequer, and particulars of which will be given in a subsequent paragraph.*

(18) Some of the expenditure included in the foregoing figures has been incurred on account of the Post Office, Telegraphs, and the Steam Packet Service, and may therefore be termed reproductive expenditure. To ascertain the growth of the expenditure of the State for what may be termed unproductive purposes it is consequently necessary to eliminate these productive outlays. The amount of reproductive expenditure on the services mentioned for the two decades now under comparison was as follows:—

1882-1891	£74,000,000
1896-1905	130,000,000

Deducting these amounts from their respective aggregates as set out above we see that—dealing only with "expenditure chargeable against revenue"—there was in the last decade an aggregate increase of about £463,000,000 in unproductive expenditure. We must not, of course, forget that a portion of this increase was caused by the war in South Africa. But even if the cost of the war be deducted, namely, about £200,000,000 (excluding interest on debt), the growth of ordinary unproductive expenditure during the last decade amounts to £263,000,000, representing at 5 per cent. simple interest a loss of £13,000,000 per annum.

(19) Imperial expenditure may be divided into four great groups, namely :—(1) National Debt Services, (2) Civil List and Civil Administration, (3) Naval and Military Expenditure, and (4) other expenditure. The following figures show the amounts included under the various heads in the years 1881-2 and 1904-5 :—

	1881-2.	1904-5.
National Debt Services	£29,700,000	£27,000,000
Civil List and Civil Administration	18,000,000	28,800,000
Naval and Military Expenditure	27,400,000	66,300,000
Other Expenditure	8,500,000	19,900,000

National Debt Services include the payment of interest and the cost of management and the amounts set aside for redemption. In the expenditure on account of the Civil List and Civil Administration are included the amounts spent on public education,

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which have increased from £3,828,552 in 1881-2 to £14,235,887 in 1904-5. The item "other expenditure" is made up principally of the cost of collecting Customs and Inland Revenue and the cost of the Post Office, Telegraphs, and Steam Packet Service, and nearly £10,000,000 of the increase under this head arises exclusively from the Post Office and Telegraph services, which are, of course, in the nature of reproductive undertakings.

(20) The most serious increase of expenditure is that connected with the Army and the Navy. The following figures show the amounts expended over a series of years on each of these services :—

	Army.	Navy.
1881-2	£15,738,002	£10,560,983
1886-7	18,429,272	13,265,401
1891-2	17,258,900	14,150,000
1896-7	18,269,800	22,170,000
1898-9	19,999,700	24,068,000
1904-5	29,163,838	36,830,000

These figures are exclusive of certain capital expenditure for Naval and Military works, which in 1904-5 amounted to £6,953,000, almost equally divided between the two services. In 1881-2 and 1886-7 there was no such capital expenditure ; whilst in 1891-2 it was less than £2,000,000, in 1896-7 less than £1,000,000, and in 1898-9 less than £2,000,000. It will be observed that the totals of the figures given in this paragraph do not quite correspond with those given in paragraph 19 for the first and last years. The difference in the first instance is made up by expenditure on the war in South Africa, grant to India in respect of the Afghan War, and the localization of military forces ; and in the latter year the difference is accounted for by expenditure on Army Ordnance Factories and the annuities payable under the "Indian Army Pension Deficiency Act, 1885." These items are, however, comparatively small, and do not, except in a slight degree, affect the figures given in the last table, from which it will be seen that in the period of twenty-three years the ordinary expenditure on the Army has nearly doubled, whilst that on the Navy has more than trebled. The figures for the late South African War period have been purposely omitted, as the expenditure on that account was of an extraordinary character.

(21) As has been stated in paragraph 17, the total expenditure out of the Exchequer does not by any means cover the total national expenditure, but only expenditure which is officially designated as "Expenditure chargeable against Revenue." In addition to this there is expenditure on capital account, expenditure out of the local Taxation Account, and expenditure out of moneys intercepted by various Government departments. The accounts are so complicated that there would be great difficulty in compiling complete figures covering the last two decades, particularly with regard to the moneys intercepted by Government departments, the amount of which fluctuates considerably. Leaving these items out of account, however, we can obtain an approximate idea of the aggregate national expenditure over the two periods under comparison.

(22) During the decade 1882-91 the amount expended on Capital Account was £4,216,000, whilst during the decade 1896-1905 it was £52,328,821.

(23) Previous to the year 1889-90 certain grants in aid were made out of the Exchequer to Local Authorities. These grants in aid are presumably included in the figures relating to expenditure out of the Exchequer. When these grants were discontinued the proceeds of certain duties were allocated to the Local Taxation Account, into which they are paid direct. During the decade 1882-1891 the amount thus allocated to the Local Taxation Account was £13,559,932. In the decade 1896-1905 the amount was £93,341,714.

(24) Thus, without taking into account the moneys intercepted by Government departments, which amounted in 1894-5 to £6,786,861, in 1903-4 to £12,394,721, and in 1904-5 to £9,710,351, we obtain the following aggregates :—

Decade.	Aggregate.	Yearly average.
1882-1891	£894,806,449	£89,480,645
1896-1905	1,542,236,018	154,223,602

representing an aggregate increase of £650,000,000, which, invested in industry at 5 per cent. simple interest, would produce over £32,000,000 per annum.

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Local Revenue and Expenditure.

(25) Having regard to the variations in the systems of local government and rating in England and Wales and in Scotland and Ireland respectively, it is not possible to present figures for the United Kingdom in minute detail. It is possible, however, to bring together certain statistics from which it will be easy to obtain a general review of the cost of local administration. From these it will be apparent that, however serious may be the burden imposed on the taxpayer by the Imperial authorities, that of local rates is such as must cause grave apprehension in the minds of the commercial community. In the case of Imperial burdens the administration is under single control, namely, that of Parliament, whilst local administration is in the hands of many thousands of spending authorities, and in this connection it is significant that whilst Imperial expenditure exceeded that of local authorities up to the year 1898-9, the expenditure of the latter has since that year increased by leaps and bounds, so that in the year 1904-5 we estimate that the local expenditure of the United Kingdom was over £30,000,000 in excess of that of the State.

Local Revenue.

(26) In the year 1881-2 the revenue of the Local Authorities of the United Kingdom from all sources amounted to £67,705,079, whilst in the year 1902-3 it was £152,291,000, representing an increase of 125 per cent. in 22 years. If the figures for 1882-3 had been taken as the starting-point, the increase would be found to be still greater ; and if 1883-4 had been taken, then greater still. Indeed, except in the year 1885-6 the revenue of 1881-2 was not exceeded until 1889-90, from which date the progressive increase of local revenue may be said to have commenced in an unmistakeable manner. The percentage increase may therefore fairly be said to have occurred during a period of 14 instead of 22 years.

(27) The amount of local revenue per head of the population in 1881-2 was £1 18s. 6d., as compared with £3 12s. 0d. in 1902-3, an increase of over 87 per cent. per head. During the five years previous to 1902-3 the local income of the United Kingdom increased at the average rate of over £10,000,000 per annum, so that the estimated income for the year 1904-5 would be £172,000,000, or £3 19s. 8d. per head, representing a total increase since 1881-2 of over 154 per cent. and a per capita increase of 107 per cent.

(28) The income of the Local Authorities is derived mainly from Rates, Public Undertakings, Government Contributions, and Loans, but it is not possible accurately to apportion all these items for the United Kingdom as a whole for the period over which we are extending our comparisons. The following figures will, however, show the growth of income under the principal heads, so far as the same are available :—

	Public Rates.	Government Contribution.	Loans.	Other Revenue.
1880-1	not available	£3,369,185	£14,367,032	—
1886-7	,,	4,802,766	10,949,870	—
1890-1	£33,826,264	8,526,797	8,528,840	£20,259,002
1895-6	42,596,663	11,295,067	14,814,782	22,861,656
1900-1	50,648,788	15,989,256	35,533,456	32,707,519
1901-2	54,209,572	16,022,897	39,873,491	35,045,505
1902-3	58,322,752	16,246,000	39,774,000	37,948,562

Comparing the year 1890-1 with 1902-3, it will be seen that the increase in public rates has been nearly 73 per cent. ; the increase in Government contributions over 90 per cent. ; and the increase in loans over 367 per cent.

Local Expenditure.

(29) In the year 1881-2 the total expenditure of the Local Authorities of the United Kingdom was £66,665,499, or £1 17s. 10d. per head of the population. In the year 1902-3 the figures were £152,165,000, or £3 11s. 11d. per head, representing a total increase of nearly 129 per cent., and a per capita increase of a little over 90 per cent. Calculating the total expenditure during 1903-4 and 1904-5 on the rate of increase during the previous five years, we estimate that the local expenditure for 1904-5 would be not less than

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£172,000,000, or £3 19s. 8d. per head of the population, representing a total increase of 158 per cent., and a per capita increase of 110 per cent. The progressive increase of local expenditure did not become permanent until 1890-1, when it was £70,734,168, or £1 17s. 6d. per head of the population, so that if that year had been taken as a starting point, the increase per head of the population works out at a higher figure than that given above.

(30) The principal local spending authorities are the Guardians of the Poor, School Boards (now Education Authorities), Municipal Authorities, and County and Rural Authorities. The following figures will show the rate of growth in the expenditure of each of these groups of authorities for the years 1881-2 and 1902-3 :—

	1881-2.	1902-3.	Increase %.
Guardians of the Poor .. .. .. (In relief of the Poor)	£10,372,358	£15,992,000	54
School Boards	4,967,306	16,274,000	228
Municipal Authorities	34,571,033	91,830,000	165
County and Rural Authorities	7,312,878	15,062,000	106
All other Authorities	9,441,924	13,006,559	45

(31) Some portion of the increased expenditure may reasonably be attributed to real improvements in our system of local government, education, and relief of the poor. In the case of municipal authorities some portion is also due to the extension of municipal trading operations. There is, however, a general feeling among the commercial classes that some portion of the increase is due to local extravagance, and your Committee are of opinion that there is good ground for this feeling. For instance, in 1882 and 1903 there were approximately 1,000,000 paupers of all classes, both indoor and outdoor. In the former year the cost was approximately £10 10s. 0d. per head, whilst in the latter year it was approximately £16 0s. 0d. per head. Whilst admitting, therefore, that the administration of the Poor Law has tended appreciably towards the provision of extra comfort for the poor, it is difficult to believe that during the short period of 21 years the system of poor relief has so much improved as to justify an increased cost of 55 per cent., or £5 10s. per head per annum. The increase is rendered more striking when it is stated that the cost per head of maintaining indoor and outdoor paupers was approximately £10 per head until 1892-3, from which year it has increased continuously. Again, whilst it is generally admitted that elementary education has been placed on a sounder basis and is more efficient than it was in 1881-2, it is necessary to bear in mind that the cost has increased by 228 per cent., as compared with an increase of only 20 per cent. in the population. Furthermore, it is common knowledge that as a result of the Education Act, 1902, the cost of Education has been still further increased; and it is extremely doubtful if the result to the nation is commensurate with the heavy outlay involved.

(32) As in the case of Imperial expenditure, the immensity of the expenditure of Local Authorities can best be realised by ascertaining the aggregates for successive periods of ten years. The result is as follows :—

Decade, year ended 31st March.	Aggregate Expenditure.	Yearly Average.
1882-1891	£666,070,072	£66,607,007
1884-1893	693,319,174	69,331,917
1890-1899	874,781,535	87,478,153
1894-1903	1,130,646,888	113,064,689

So that the expenditure during the ten years 1894-1903 exceeded that of the decade 1882-1891 by no less a sum than £464,576,816, representing an average increase of £46,457,682 per annum.

(33) It is not our purpose here to examine or criticise the details of these huge outlays, but to show the rapidity of their growth in recent years and the enormous annual amount to which they have now attained. The aggregate increase in the last over the first decade mentioned above, if invested in reproductive works at 5 per cent. simple interest, would produce over £23,000,000 per annum. The figures are not such as can be regarded by commercial men with equanimity, because the increased expenditure represents an ever-increasing burden which is felt more and more acutely by the business community, from whom the bulk of local revenue is derived. We have seen that the amount of local rates

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levied in 1902-3 was nearly £25,000,000 in excess of the amount for 1890-1 ; that Government contributions to local services were more by nearly £8,000,000 ; and that loans increased by £31,000,000. As we have before admitted, some portion of the increased expenditure of the Local Authorities must be attributed to municipal trading operations ; but it must nevertheless be borne in mind that these have not been instrumental in reducing local rates. On the contrary, a closer examination of the figures would reveal the disquieting fact that the extension of municipal trading has been accompanied by an accelerated increase in local rates and Government contributions.

TOTAL IMPERIAL AND LOCAL REVENUE AND EXPENDITURE.

(34) We will now endeavour, by combining the figures for Imperial and local services, to present in a clear and concise form statistics showing the aggregate Public Revenue and Expenditure of the United Kingdom. To do this it will be necessary to deduct items which appear twice in the returns, namely:—Government Grants-in-aid to Local Authorities. Amounts received into and paid out of the Local Taxation Account will not be deducted because they do not appear in the Exchequer Accounts. In considering the following statistics it should also be borne in mind that for the purpose of Imperial Revenue and Expenditure the figures relate only to (1) ordinary revenue, *i.e.*, Exchequer receipts (excluding loans on capital account), and do not include amounts intercepted by various departments ; and (2) expenditure chargeable against revenue, from which the corresponding amounts are excluded. The totals therefore will be less by these sums than the actual gross Public Revenue and Expenditure of the kingdom.

IMPERIAL AND LOCAL REVENUE.

(35) In the year 1881-2 the Imperial and Local Revenue of the United Kingdom amounted to £148,085,680, or £4 4s. 1d. per head of the population. In the year 1902-3, the latest for which full particulars are available, the amount was £297,364,071, or £7 0s. 6d. per head of the population, representing a total increase of about 100 per cent., and a per capita increase of 67 per cent. Calculated on the basis of five persons per family, the public revenue of the country, distributed over the population, amounted in 1881-2 to £21 0s. 5d. per family per annum, and in 1902-3 to £35 2s. 6d. per family per annum ; or, in other words, 8s. 1d. per family per week in 1881-2, and 13s. 6d. per family per week in 1902-3.

(36) The amount raised by taxation (*i.e.*, from Customs and Inland Revenue and from local rates) in 1881-2 was, in round figures, £99,900,000, or £2 16s. 10d. per head, representing £14 4s. 2d. per family per annum, or 5s. 5d. per family per week. IN 1902-3 THE TOTAL AMOUNT RAISED BY TAXATION, IMPERIAL AND LOCAL, WAS £197,000,000, OR £4 13s. 4D. PER HEAD, REPRESENTING £23 6S. 8D. PER FAMILY PER ANNUM, OR 9S. PER FAMILY PER WEEK. These figures give us the true measure of the increase in the burden of taxation over a period of 20 years. It is a question for serious consideration whether the national capacity to bear taxation has increased in a like proportion.

IMPERIAL AND LOCAL EXPENDITURE.

(37) In the year 1881-2 the expenditure for Imperial and local purposes amounted to £146,696,374, or £4 3s. 3d. per head of the population. In the year 1902-3 the amount was £330,170,081, or £7 16s. 1d. per head, representing a total increase of 125 per cent., and a per capita increase of 88 per cent. Calculated on the basis of five persons per family, the public expenditure of the country, distributed over the whole population, amounted in 1881-2 to £20 16s. 3d. per family per annum ; and in 1902-3 to £39 0s. 5d. per family per annum ; or, in other words, 8s. per family per week in 1881-2, and 15s. per family per week in 1902-3.

(38) The following figures show the aggregate amount of Imperial and local expenditure for successive periods of ten years commencing with the decade 1882-91 :—

Decade, year ended 31st March.		Aggregate Expenditure.		Yearly Average.
1882-1891	..	£1,503,822,416	..	£150,382,241
1884-1893	..	1,542,298,281	..	154,229,828
1890-1899	..	1,791,114,653	..	179,111,465
1894-1903	..	2,375,209,029	..	237,520,903

IMPERIAL AND LOCAL FINANCE AND TAXATION OF THE UNITED KINGDOM—*continued.*

(39) Immense and almost incomprehensible as these figures are, they do not reveal the whole truth. We see from them that the increase in the last decade over the first was no less than £871,386,613, which is nearly ninety millions sterling in excess of the National Debt. Calculated on the basis of our population in 1905, this ten years' increase represents over £20 per head of the population, or £100 per family. But although these figures alone are sufficient to cause astonishment and apprehension in the minds of business men, they will undoubtedly be greatly exceeded in the near future. During the last six years local expenditure has been increasing at the rate of £10,000,000 per annum, and it is estimated that the aggregate expenditure for the decade 1901-1910 will be not less than £3,000,000,000, or £630,000,000 in excess of that for the last decade mentioned in the previous table. That this is not an exaggeration is proved by the fact that the annual local and Imperial expenditure during the last five years has been well over £300,000,000. During the next four years it is not likely that Imperial expenditure will be reduced to any appreciable extent, and it is more than probable that local expenditure will advance by annual sums appreciably exceeding £10,000,000, so that when it is possible to obtain accurate figures representing the aggregate public expenditure during the decade 1901-1910, there is good reason to believe that it will be some £1,500,000,000 in excess of the figures for the period 1882-1891. Whilst it may not be advisable to go into "probabilities" and to make "estimates," it is certainly desirable that we should understand what our present and future commitments are likely to be, and to endeavour to realise their probable effect on the already heavily-burdened pockets of the taxpayer. In the year 1902-3 about two-thirds of the total Imperial and local expenditure was defrayed out of moneys raised by means of taxation. Twenty years previously the proportion was approximately the same, and there is no evidence that the proportion is likely to vary during the next few years.

THE NATIONAL DEBT.

(40). The following figures show the amount of the National Debt :—

Year ending 31st March.	Total.	Per head of population.
1882	£763,539,816 ..	£21 13 10
1899	635,393,734 ..	15 12 0
1905	796,736,491 ..	18 8 10

The debt was decreased practically every year from 1882 to 1899. From the latter year it increased until 1903, when it stood at £798,349,190. In 1904 it was reduced by about four millions, but a further increase of over two millions took place in 1905.

(41) Mr. Edgar Speyer, in his address to the Institute of Bankers, which has been previously referred to, mentioned a very important point in connection with the National Debt—a point of considerable moment to traders. He said : "It need not be here explained that the funds in the hands of the bankers form the floating capital of the occasional balances which are required to finance the temporary requirements of the country as against its permanent needs. These funds should always be at the disposal of trade, commerce, and finance, and any action that tends to divert them to other channels should be considered, from the trade point of view, an unfriendly action ; such action is inimical to trade ; trade resents it, and must of necessity feel it. But what have we witnessed during the last three or four years ? Since the beginning of the war the Chancellor of the Exchequer has issued a very large amount of Treasury Bills and other forms of floating debt, which, at one time or another, reached the large sum of £35,000,000. Such an amount naturally absorbed what should have been at the disposal of the banking funds, and it interfered with the facilities which bankers are expected and accustomed to grant to private customers, whose prosperity is intimately bound up with active trade. Instead of assisting trade, therefore, the Government, by pursuing a policy which necessitates the issue of such a large amount of Treasury Bills, is actually competing with the traders and absorbing the bank balances which should go to finance trade. Surely this cannot be right ; but apart from the policy of the thing, the issue *per se* of Treasury Bills for an indefinite period is, to use a Parliamentary expression, entirely out of order. Treasury Bills are a makeshift. They

IMPERIAL AND LOCAL FINANCE AND TAXATION OF THE UNITED KINGDOM—*continued.*

"should be resorted to only for financing a portion of the country's expenditure for a "few months until the bulk of the revenue comes in in the March quarter. There does "not seem to exist any justification whatever to have outstanding year after year at the "close of March—that is, at the time when all the revenue has been received—a sum of "£21,000,000 or more of Treasury Bills. The Government, by allowing this large floating "debt to exist at a time when it should not exist, become thereby active competitors to "trade, because, as I have shown, they drain away into other channels money which should "flow into those of trade. A floating debt is like a floating mine, for, as the latter may "become a menace and have a very disturbing effect on shipping, so does a floating "debt constitute a real danger to the Treasury, for should the country be suddenly con-"fronted with some trouble, such large floating debt would paralyse in a great measure "the assistance that bankers could render to the Treasury. But there is another risk, "and a very real risk, arising from such a position, and one to which we were exposed "during and after the war. A very large amount of Consols and short obligations, in-"cluding a large amount of Treasury Bills, were held on the Continent. At one time "they reached, according to reliable estimates, £80,000,000 sterling. The weakness of "such a situation is manifest, and in case of foreign complications might have become "positively dangerous." At the conclusion of his address Mr. Speyer urged that the floating debt should either be funded, or paid off out of the Transvaal indemnity if that is received, in order that at the end of each fiscal year there should be no Treasury Bills outstanding to be carried to the next year, so that by this means the bankers' fund might be free to finance trade.

LOCAL DEBT.

(42) It is not possible to state definitely the local debt of the United Kingdom previous to the year 1899-1900, but in that year it amounted to £348,135,745, or £8 9s. 4d. per head of the population. In the year 1902-3 it was £437,874,787, or £10 7s. per head of the population. In addition there were also outstanding annuities payable by Scotch authorities, the capitalised value of which in 1899-1900 was £5,067,467, and in 1902-3, £4,596,449.

IMPERIAL AND LOCAL DEBT.

(43) We are now able to arrive at the figures representing the total National and Local Debt. The following are the actual amounts for the years for which statistics are at present available, viz. :—

1899-1900 ..	£1,987,055,677	or	£24	0	3	per head.
1900-1901 ..	1,080,409,994		26	0	8	,,
1901-1902 ..	1,172,284,698		27	19	6	,,
1902-1903 ..	1,236,223,977		29	4	5	,,

From the year 1899-1900 to the year 1902-3 the Local Debt increased at the rate of £30,000,000 per annum, so that calculating the subsequent increase on the same basis we estimate that the total Public Debt in 1905 reached no less a sum than £1,293,736,491, representing nearly £30 per head of the population, or £150 per family.

SUMMARY.	1881-2.	1904-5.	Increase %
Population	35,206,617	43,217,687	22
Imperial Revenue (Exchequer Receipts, excluding borrowings on Capital Account)	£83,955,229	£143,370,405	71
(a) Customs Revenue	19,287,000	35,730,000	85
(b) Inland Revenue	51,294,000	84,830,000	65
(c) Post Office and Telegraphs	8,630,000	19,930,000	131
(d) Miscellaneous	4,744,000	2,880,000	37 (decrease)
Imperial Revenue per head of Population ..	£2 7s. 8d.	£3 6s. 4d.	39
Imperial Expenditure (excluding Capital Payments)	£83,605,503	£141,956,497	70
(a) National Debt Services	29,700,000	27,000,000	9 (decrease)
(b) Civil List and Civil Administration ..	18,000,000	28,800,000	60
(c) Army and Navy	27,400,000	66,300,000	142
(d) Other Expenditure	8,500,000	19,900,000	134
Imperial Expenditure per head of Population	£2 7s. 6d.	£3 5s. 8d.	38

IMPERIAL AND LOCAL FINANCE AND TAXATION OF THE UNITED KINGDOM—*continued.*

	1881-2.	1902-3.	Increase %
Local Revenue	£67,705,079	£152,291,000	125
(a) Public Rates	33,826,264*	58,322,752	73
(b) Government Contributions	8,526,797*	16,246,000	90
(c) Loans	8,528,840*	39,774,000	367
(d) Other Revenue	20,259,002*	37,948,562	87
Local Revenue per head of Population ..	£1 18s. 6d.	£3 12s. 0d.	87
Local Expenditure	£66,665,499	£152,165,000	129
(a) Guardians of the Poor	10,372,358	15,992,000	54
(b) School Boards	4,967,306	16,274,000	228
(c) Municipal Authorities	34,571,033	91,830,000	165
(d) County and Rural Authorities ..	7,312,878	15,062,000	106
(e) All other Authorities	9,441,924	13,007,000	45
Local Expenditure per head of Population ..	£1 17s. 10d.	£3 11s. 11d.	90

	1881-2.	1902-3.	Increase %
Total Imperial and Local Revenue	£148,085,680	£297,364,071	100
(a) Per head of Population	£4 4s. 1d.	£7 0s. 6d.	67
(b) Per family of 5, per annum ..	£21 0s. 5d.	£35 2s. 6d.	67
(c) Per family of 5, per week	8s. 1d.	13s. 6d.	67
Total Imperial and Local Revenue raised by taxation	£99,900,000	£197,000,000	97
(a) Per head	£2 16s. 10d.	£4 13s. 4d.	64
(b) Per family of 5, per annum ..	£14 4s. 2d.	£23 6s. 8d.	64
(c) Per family of 5, per week	5s. 5d.	9s. 0d.	64
Total Imperial and Local Expenditure ..	£146,696,374	£330,170,081	125
(a) Per head of Population	£4 3s. 3d.	£7 16s. 1d.	88
(b) Per family of 5, per annum ..	£20 16s. 3d.	£39 0s. 5d.	88
(c) Per family of 5, per week	8s. 0d.	15s. 0d.	88

	1882-1891.	1896-1905.	Increase %
Aggregate Imperial Expenditure (ten year periods)	£877,030,517	£1,396,565,483	59

	1882-1891.	1894-1903.	Increase %
Aggregate Local Expenditure (ten year periods)	£666,070,072	£1,130,646,888	70
Aggregate Imperial and Local Expenditure (ten year periods)	£1,503,822,416	£2,375,209,029	58

	1900.	1903.	Increase %
National Debt	£638,919,932	£798,349,190	25
Ditto per head of Population	£15 10s. 11d.	£18 17s. 5d.	21
Local Debt	£348,135,745	£437,874,787	23
Ditto per head of Population	£8 9s. 4d.	£10 7s. 0d.	22
Total National and Local Debt	£987,055,677	£1,236,223,977	25
Ditto per head of Population	£24 0s. 3d.	£29 4s. 5d.	21

* These are the figures for 1890-1, those for 1881-2 not being available under each heading.

IMPERIAL AND LOCAL FINANCE AND TAXATION OF THE UNITED KINGDOM—*continued.*

LOCAL FINANCE.

1.—ENGLAND AND WALES.—Table showing amount received from direct and indirect taxation and from other sources for the purposes of Local Expenditure.

Sources of receipts.	1889-90. £	1902-3. £	1903-4. £
From Public Rates	27,713,409	50,328,412	52,941,665
,, Water Undertakings	2,515,217	4,184,611	4,296,780
,, Gas Undertakings..	3,867,416	7,168,705	7,385,850
,, Electric Light Undertakings	—	1,881,265	2,265,901
,, Repayments on account of Private Improvements executed by Local Authorities	773,438	1,850,845	1,952,291
,, Tramways	128,923	3,797,758	4,746,514
,, Government Contributions	6,522,279	12,782,803	15,613,892
,, Tolls, Dues and Duties	3,642,423	4,127,130	4,233,776
,, Rents, Interest, &c.	1,382,939	2,412,144	2,656,223
,, Sales of Property..	513,001	473,035	497,920
,, Fees, Fines, Penalties, and Licenses ..	1,173,348	988,266	1,077,503
,, Loans	7,050,143	35,271,367	31,134,470*
,, Miscellaneous	2,005,469	3,940,443	4,855,040
Total Receipts	£57,288,005	129,206,784	133,657,825*

Amount of the various branches of Local Expenditure.

	1889-90. £	1902-3. £	1903-4. £
By Unions and Parishes in Relief to the Poor ..	8,434,345	13,609,870	Information not available.
All other Parochial Expenditure payable out of Poor Rates	1,229,967	1,737,798	
From Loans	432,418	2,165,278	
By Parish Councils and Parish Meetings.. ..	—	188,719	
By Burial Boards and other Local Authorities acting under Burial Acts	484,728	667,376	
By School Boards	5,607,894	13,488,433	
By Town Municipal Authorities for Police, Sanitary, and other Public Works, &c.	29,856,278	79,995,031	
By Rural District Councils	625,534	1,799,632	
By County Authorities for Police, Lunatic Asylums, &c.	3,030,348	7,735,530	
By Highway Boards and Road Trustees.. ..	1,751,966	2,183,270	
By Turnpike Trusts	2,976	—	
By Bridge and Ferry Trustees	4,160	1,469	
By Drainage and Embankment Authorities ..	471,960	434,801	
From Church and Ecclesiastical Rates	5,871	—	
By Harbour Authorities	3,056,078	4,819,498	
By other Authorities	273,604	142,038	
Total Expenditure	£55,266,127	128,968,743	

Outstanding Loans of Local Authorities.

Purposes.	1889-90. £	1902-3. £	1903-4. £
Baths, Cemeteries, Electricity Supply, Gas Works, Harbours, Piers, Docks and Quays, Light Railways, Tramways, and Waterworks	93,716,973	175,395,698	187,100,454
Other Purposes	104,954,339	195,211,795	206,781,692
Total	£198,671,312	370,607,493	393,882,146

* Excluding loans raised by School Boards for areas other than London and County Boroughs. The amount raised by such School Boards in the year ended September, 1903, was £1,162,681.

IMPERIAL AND LOCAL FINANCE AND TAXATION OF THE UNITED KINGDOM—*continued.*

II.—SCOTLAND.—Table shewing amount received from direct and indirect taxation and from other sources for the purposes of Local Expenditure.

Sources of receipt.	1889-90. £	1902-3. £	1903-4.* £
From Public Rates		4,987,284	5,315,199
,, Water Undertakings		819,317	876,374
,, Gas Undertakings..	3,557,565	1,841,334	1,743,512
,, Electric Light Undertakings		337,429	384,494
,, Repayments on Account of Private Improvements executed by Local Authorities	—	43,953	45,036
From Tramways	—	844,512	937,873
,, Government Contributions	964,525	2,138,603	2,274,360
,, Tolls, Dues, and Duties	742,331	1,095,934	1,123,123
,, Rents, Interest, &c.	245,134	252,551	243,537
,, Sales of Property	4,935	189,349	179,341
,, Fees, Fines, Penalties, and Licenses ..	175,649	130,139	132,842
,, Loans	1,410,398	3,472,556	4,422,642
,, Miscellaneous	350,453	498,164	549,850
Total Receipts	£7,450,990	16,651,125	18,228,183

Amount of various branches of Local Expenditure.

	1889-90. £	1902-3. £	1903-4.* £
By Unions and Parishes in Relief to the Poor ..	886,543	1,235,053	1,300,743
All other Parochial Expenditure payable out of Poor Rates	50,976	78,949	82,661
From Loans	32,437	275,398	315,605
By Parish Council other than above ..	—	11,179	14,279
By School Boards	1,493,015	2,785,444	2,978,239
By Town and Municipal Authorities for Police, Sanitary, and other Public Works, &c. ..	2,531,373	9,590,502	10,043,646
By Rural Sanitary Authorities	117,989		
By County Authorities for Police, Lunatic Asylums, &c.	349,879	1,745,486	1,960,338
By Highway Boards and Road Trustees.. ..	669,794		
By Turnpike Trusts	—		
By Bridges and Ferries	—		
By Drainage and Embankment Authorities ..	—	—	—
By Burial Boards..	—	—	—
From Church and Ecclesiastical Rates (Heritors)	47,533	58,061	59,295
By Harbour Authorities	1,030,118	1,250,146	1,215,075
By other Authorities	11,698	14,319	13,928
Total Receipts	£7,221,355	17,044,537	17,983,809

Annuities and Outstanding Loans of Local Authorities.

	1889-90. £	1902-3. £	1903-4. £
Outstanding Loans	(cannot be	51,876,061	54,779,983
Annuities—Capitalized Values	given.)	4,596,459	4,534,985

* Provisional figures only.

IMPERIAL AND LOCAL FINANCE AND TAXATION OF THE UNITED KINGDOM—*continued.*

III.—IRELAND.—Table showing amount received from direct and indirect taxation and from other sources for the purposes of Local Expenditure.

Sources of receipt.	1889-90. £	1902-3. £	1903-4. £
From Rates (including Water Rates)	2,991,062	3,007,340	3,030,660
,, Government Contributions	160,974	1,326,983	1,332,288
,, Tolls, Dues and Duties	313,787	345,478	357,144
,, Rents, Interest, etc.	96,270	189,077	248,908
,, Fees, Fines, Penalties and Licenses ..	105,750	117,357	115,709
,, Loans	495,946	1,029,245	876,021
,, Miscellaneous	179,153	422,050	407,111
Total Receipts..	£4,342,942	6,437,530	6,367,841

Amount of various branches of Local Expenditure.

	1889-90. £	1902-3. £	1903-4. £
By Unions and Parishes in Relief to the Poor ..	1,026,292	1,146,963	1,217,834
All other Parochial Expenditure payable out of Poor Rates and from Loans ..	331,520	60,677	56,678
By Rural District Councils other than above ..	—	485,210	548,303
By Town and Municipal Authorities for Police, Sanitary and other Public Works, etc. ..	1,176,947	2,249,419	2,207,560
By Rural Sanitary Authorities	54,517	—	—
By County Authorities for Police, Lunatic Asylums, etc.	1,193,559	1,595,726	1,911,479
By Highway Boards and Road Trustees ..			
For Bridges and Ferries			
By Drainage and Embankment Authorities ..	40,834	54,510	54,980
By Burial Boards	12,269	—	—
By Harbour Authorities	376,967	481,439	482,044
By other Authorities	83,426	79,872	79,008
Total Expenditure	£4,296,331	6,153,816	6,557,886

Outstanding Loans of Local Authorities.

	1889-90. £	1902-3. £	1903-4. £
Outstanding Loans	(cannot be given.)	15,398,681	16,008,311

IMPERIAL AND LOCAL FINANCE AND TAXATION OF THE UNITED KINGDOM—*continued.*

IV.—UNITED KINGDOM.—Table showing amount received from direct and indirect taxation and from other sources for the purposes of Local Expenditure.

Sources of receipt.	1889-90. £	1902-3. £	1903-4.* £
From Rates			
,, Water, Gas, and Electric Light Undertakings			
,, Repayments on account of Private Improvements executed by Local Authorities	41,418,107	76,450,495	80,237,762
,, Tramways	128,923	4,642,270	5,684,387
,, Government Contributions	7,647,778	16,248,389	19,220,540
,, Tolls, Dues and Duties	4,698,541	5,568,542	5,714,043
,, Rent, Interest, etc.	1,724,343	2,853,772	3,148,668
,, Sales of Property	517,936	662,384	677,261
,, Fees, Fines, Penalties and Licenses ..	1,454,747	1,235,762	1,326,054
,, Loans	8,956,487	39,773,168	36,433,133
,, Miscellaneous	2,535,075	4,860,657	5,812,001
Total Receipts	£69,081,937	152,295,439	158,253,849

Amount of various branches of Local Expenditure.

	1889-90. £	1902-3. £	1903-4. £
By Unions and Parishes in Relief to the Poor ..	10,347,180	15,991,886	Information not available.
All other Parochial Expenditure payable out of Poor Rates and from Loans ..	2,077,318	4,318,100	
By Parish Councils (Scotland) other than above	—	11,179	
By Rural District Councils (Ireland) other than above	—	485,210	
By Parish Councils and Parish Meetings (England and Wales)	—	188,719	
By School Boards	7,100,909	16,273,877	
By Town and Municipal Authorities for Police, Sanitary and other Public Works, etc. ..	33,564,598	91,832,621	
By Rural Sanitary Authorities			
By County Authorities for Police, Lunatic Asylums, etc.			
By Highway Boards and Road Trustees ..	7,800,722	15,061,113	
By Turnpike Trusts			
For Bridges and Ferries..			
By Drainage and Embankment Authorities ..	512,794	489,311	
By Burial Boards..	496,997	669,707	
From Church and Ecclesiastical Rates.. ..	53,404	58,061	
By Harbour Authorities..	4,463,163	6,551,083	
By other Authorities	368,728	236,229	
Total Expenditure	£66,785,813	152,167,096	

Annuities and Outstanding Loans of Local Authorities.

	1889-90. £	1902-3. £	1903-4. £
Outstanding Loans	(cannot be	437,882,235	464,670,440
Annuities, Capitalised Values	given.)	4,596,449	4,534,985

* Provisional figures only.

PRICES IN 1906.

INDEX NUMBERS. Compiled from Mr. A. Sauerbeck's Annual Reports to "The Times."

The following are the average index numbers of the prices of 45 commodities since 1878 contrasted with the standard period 1867-77, for which the average has been fixed at 100 :—

	Average.		Average.		Average.
1867-1877	100	1883	82	1900	75
1878-1887	79	1889	72	1901	70
1884-1893	71	1894	63	1902	69
1886-1895	68	1895	62	1903	69
1888-1897	67	1896	61	1904	70
1890-1899	66	1897	62	1905	72
1894-1903	66	1898	64	1906	77
1896-1905	68	1899	68		

The monthly fluctuations in 1906 were as follows :—January, 75·2 ; February, 75·0 ; March, 75·7 ; April, 76·5 ; May, 77·0 ; June, 76·9 ; July, 76·4 ; August, 76·7 ; September, 77·5 ; October, 78·5 ; November, 78·6 ; December, 79·7.

Taking articles of food and materials separately, the index numbers compare as follows :—

	1867-77.	1878-87.	1886-95.	1896-1905.	Dec., 1905.	Dec., 1906.
Food	100	84	71	67	68·7	68·4
Materials	100	76	66	69	79·4	87·9

The position of the six separate groups of commodities at the end of the last two years and in comparison with former periods is illustrated by the following index numbers :—

	1867-77.	1878-87.	1886-95.	1896-1905.	Dec., 1905.	Dec., 1906.
Vegetable Food (Corn, &c.) ..	100	79	63	61	62·5	62·0
Animal Food (Meat and Butter)	100	95	82	82	89·1	88·1
Sugar, Coffee, and Tea	100	76	68	50	45·5	46·7
Minerals	100	73	71	82	96·3	112·7
Textiles	100	71	61	61	75·9	80·8
Sundry Materials	100	81	67	67	71·2	77·3

In the group of minerals Cleveland iron rose from 54s. per ton to 62s. ; hematite from 72s. to 80s. ; standard copper was worth £79½ per ton at the end of 1905, and touched £107¾ in December, 1906, the highest price since 1872. Tin started from £161 per ton and touched £215 in May, a quotation unprecedented in the history of prices ; it dropped to £164 in July, and stood at £193½ at the end of the year. Lead went from £17¾ per ton to £20¼.

METRIC MEASURES AND WEIGHTS.

A Statement shewing the Relative Equivalents for use in trade of Metric and Imperial Measures and Weights.

I.—Metric-Imperial.

Nomenclature.	Actual equivalent.
Linear Measures :—	
Millimetre (mm.)	0·039370 inch
Centimetre (10 mm.)	0·393701 ,,
Decimetre (100 mm.)	3·937011 inches
Metre (m.)	39·370113 ,,
,, ...	3·280843 feet
,, ...	1·0936143 yards
Metric Chain (20 m.)	65·61686 feet
Kilometre (1,000 m.)	0·62137 mile
,, ...	1093·614 yards

Note.—1 Decametre = 10 m. 1 Hectometre = 100 m.

Square Measure :—	
Square Centimetre (= $\frac{1}{10000}$ sq. m.)	0·15500 sq. inch
Square metre	10·7639 sq. feet
,, ,, ...	1·1960 sq. yards
Ar (100 sq. m.)	119·59921 ,, ,,
Metric Acre (4,000 sq. m.)	0·9884 acre
Hectar (10,000 sq. m.)	2·4711 acres

Note.—1 square Decimetre = $\frac{1}{100}$ sq. m.

Cubic Measure :—	
Cubic Centimetre (c.c.)	0·0610 cubic inch
Cubic Decimetre (1,000 c.c.) ..	61·02390 cubic inches
Cubic Metre	35·3148 cubic feet
,, ,, ...	1·307954 cubic yards
Measures of Capacity :—	
Centilitre (= $\frac{1}{100}$ litre)	0·017598 pint
Litre	1·75980 pints
Hectolitre (= 100 litres)	2·74969 bushels

Note.—1 Millilitre = $\frac{1}{1000}$ litre. 1 Decilitre = $\frac{1}{10}$ litre. 1 Dekalitre = 10 litres.

Weights :—	
Milligram (mgr.)	0·0154323564 grain
Gram (g.)	15·4323564 grains
Kilogram (1,000 g.)	2·2046223 lb.
,, ,, ...	15432·3564 grains
Quintal (100 kilos)	220·46223 lb.
,, ,, ...	1·96841 cwt.
Metric ton ..(1,000 kilos.) ..	0·984206 ton

Note.—1 Centigram = 10 mgr. 1 Decigram = 100 mgr. 1 Dekagram = 10 g. 1 Hectogram = 100 g. 1 Myriagram = 10 kilos.

METRIC MEASURES AND WEIGHTS—*continued.*

II.—IMPERIAL-METRIC.

Linear Measure :—	
Inch	25·400 millimetres
Foot	0·30480 metre
Yard	0·914399 ,,
Chain	20·11678 metres
Mile	1·6093426 kilometres
Square Measure :—	
Square inch	6·4516 sq. centimetres
Square foot	9·2903 sq. decimetres
Square yard	0·836126 sq. metre
Acre	4046·85 sq. metres
Acre	1·0117 metric acres
Square mile	259·00 hectars
Cubic Measure :—	
Cubic inch	16·38702 cubic centimetres
Cubic foot	0·028317 cubic metres
Cubic yard	0·764553 ,, ,,
Measures of Capacity :—	
Gill	14·2061 centilitres
Pint	0·56825 litre
Quart	1·13649 litres
Gallon	4·5459631 ,,
Peck	9·092 ,,
Bushel	36·37 ,,
Quarter	2·909 hectolitres
Apothecaries Fluid Measure :—	
Minim	0·0592 cubic centimetres
Fluid Drachm	3·5515 ,, ,,
Fluid oz.	28·4123 ,, ,,
,, ,,	2·84123 centilitres
Avoirdupois Weight :—	
Grain*	64·79892 milligrams
Dram	1·772 grams
Ounce	28·34953 ,,
Pound	0·45359243 kilogram
Quarter	12·700588 kilograms
Hundredweight	50·802352 ,,
Ton	1·016047 metric tons
,,	1016·047043 kilograms

* Also Troy and Apothecaries.

Troy Weight :—	
Ounce (480 grains)	31·1035 grams
Apothecaries Weight :—	
Scruple	1·296 grams
Drachm (3 scruples)	3·888 ,,
Ounce (8 drachms)	31·1035 ,,

MONEY OF VARIOUS COLONIAL POSSESSIONS WITH THE ENGLISH EQUIVALENTS.

Possessions.	Colonial Currency.	English Equivalents.
British India	Rupee	1s. 4d.
Aden		
Ceylon		
Mauritius		
Seychelles		
Zanzibar Protectorate		
Uganda Protectorate		
British East Africa Protectorate ..		
Somaliland Protectorate		
Straits Settlements..	Dollar (silver)	(*a*)
Federated Malay States		
British North Borneo		
Sarawak		
Labuan		
Hong Kong		
Dominion of Canada	Dollar (gold)	4s. $1\frac{1}{3}$d.
Newfoundland		
British Honduras		
British Guiana	Dollar (gold)	4s. 2d.
Gibraltar	Pound sterling from 1898 ..	(*b*)
Cyprus	Piastre	$1\frac{1}{3}$d.

(*a*) In the Straits Settlements, the Straits Settlements silver dollar is, by a Proclamation dated 5th October, 1903, issued under the Straits Settlements (Coinage) Order-in-Council of 25th June, 1903, the standard coin of the Colony; and the Mexican dollar was treated, by the same Order-in-Council, as its equivalent. The British and Hong-Kong dollars were also treated as the equivalent of the standard coin by Order-in-Council of 2nd February, 1895.

Under a Notice issued on August 24th, 1904, Mexican, British, and Hong Kong dollars ceased to be legal tender after August 31st, 1904.

Under an Order in Council issued on January 29th, 1906, it is provided that the Currency Commissioners may issue notes in exchange for gold received at Singapore at the rate of 60 dollars for £7 sterling (2s. 4d. per dollar), and by a notice issued on October 23rd, 1906, it is provided that, pending the issue of an Order-in-Council making the sovereign legal tender within the Colony, sovereigns will be accepted in payment of all Government dues.

In the Federated Malay States the Straits Settlements silver dollar was made the standard coin in 1903, the British and Mexican dollars being treated as its equivalent to August 31st, 1904, when they ceased to be legal tender.

In British North Borneo and Sarawak the Straits Settlements dollar has also been made the standard coin, British, Mexican and other dollars ceasing to be legal tender.

In Labuan the Straits Settlements silver dollar was made the standard coin under notification No. 22 of September 9th, 1905. Prior to this date Mexican, British and Hong Kong dollars were current.

In Hong Kong the Mexican, British and Hong Kong dollars are current.

Conversions of the silver dollar into £ sterling have been made for the Straits Settlements, Labuan and Hong Kong as follows:—

In 1889, at 3s.; in 1890, at 3s. 4d.; in 1891, at 3s. $2\frac{1}{4}$d.; in 1892, at 2s. 10d.; in 1893, at 2s. $6\frac{1}{8}$d.; in 1894, at 2s. 1d.; in 1895, at 2s. $1\frac{1}{2}$d.; in 1896, at 2s. $2\frac{3}{17}$d.; in 1897, at 1s. $11\frac{1}{2}$d.; in 1898, at 1s. 11d.; in 1899, at 1s. $11\frac{1}{8}$d.; in 1900, at 2s.; in 1901, at 1s. 11d.; in 1902, at 1s. $8\frac{1}{2}$d.; in 1903, at 1s. 9d.; in 1904, at 1s. $10\frac{1}{2}$d.; and in 1905, at 2s.

(*b*) British coins were made legal tender in Gibraltar in 1898.

WEIGHTS AND MEASURES OF VARIOUS COLONIAL POSSESSIONS, WITH THE ENGLISH EQUIVALENTS.

Possessions.	Colonial Weights and Measures.	English Equivalents.
British India.....	Maund.....	$82\frac{2}{7}$ lbs. avoirdupois.
Straits Settlements, Hong Kong, Labuan, the Federated Malay States, British North Borneo and Sarawak.....	Tahil	$1\frac{1}{3}$ ozs. ,,
	Pikul	$133\frac{1}{3}$ lbs. ,,
	Catty	$1\frac{1}{3}$ lbs. ,,
	Gantang.....	1 gallon.

WEIGHTS AND MEASURES OF VARIOUS COLONIAL POSSESSIONS, WITH THE ENGLISH EQUIVALENTS—*continued.*

Possessions.	Colonial Weights and Measures.	English Equivalents.
Mauritius and Seychelles	Kilogramme	2.204 lbs.
,, ,,	Metre	1.09 yards.
,, ,,	Hectolitre, liquid measure	22 imperial gallons.
,, ,,	Hectolitre, cereals, etc.	2.75 imperial bushels.
,, ,,	Litre	1.76 imperial pints.
,, ,,	Arpent	1.05 acre.
Cape of Good Hope	Leaguer	128 imperial gallons.
,, ,,	Muid	3 imperial bushels.
,, ,,	Morgen	2.116 acres.
,, ,,	Short Ton	2,000 lbs. avoirdupois.
,, ,,	Long Ton	2,240 lbs. ,,
Somaliland Protectorate	Tola	180 grains troy.
Dominion of Canada	Gallon	Same as imperial.
,, ,,	Bushel	,, ,,
,, ,,	Yard	,, ,,
,, ,,	Short Ton	2,000 lbs. avoirdupois.
,, ,,	Bushel of Wheat	60 lbs. ,,
,, ,,	,, Potatoes	60 lbs. ,,
,, ,,	,, Turnips	60 lbs. ,,
,, ,,	,, Indian Corn	56 lbs. ,,
,, ,,	,, Barley	48 lbs. ,,
,, ,,	,, Oats	34 lbs. ,,
Malta	Caffiso	$4\frac{1}{2}$ imperial gallons.
,,	Salma	8 imperial bushels.
,,	Cantar	175 lbs. avoirdupois.
Cyprus	Oke	2.8 lbs. avoirdupois.
,,	,, (liquid)	$1\frac{3}{5}$ quarts.
,,	Cantar for goods generally (44 okes)	123.2 lbs. avoirdupois.
,,	Cantar for Aleppo (180 okes)	504 lbs. ,,
,,	Kilé	1 imperial bushel.

MONEY OF THE PRINCIPAL FOREIGN COUNTRIES, WITH THE ENGLISH EQUIVALENTS.

Countries.	Foreign.	English Equivalents. £	s.	d.
Russia	(Prior to 1897) Credit Rouble	0	2	0
,,	Metallic Rouble (gold) ($\frac{1}{10}$ of Imperial)	0	3	2
,,	(From 1897) Rouble ($\frac{1}{15}$ of Imperial)	0	2	$1\frac{1}{3}$
Finland	Mark (100 Penni) about	0	0	$9\frac{6}{10}$ (or 25 to the £)
Norway	Krone	0	1	$1\frac{1}{3}$ (or 18 to the £)
Sweden	Krona	,,		,,
Denmark	Krone	,,		,,
German Empire	Mark	0	1	0
,, ,,	Krone	0	10	0
,, ,,	Doppel Krone	1	0	0
Holland	Gulden	0	1	8
Belgium	Franc	0	0	$9\frac{6}{10}$ (or 25 to the £)

MONEY OF THE PRINCIPAL FOREIGN COUNTRIES, WITH THE ENGLISH EQUIVALENTS—*continued.*

Countries.	Foreign.	English Equivalents. £	s.	d.
France	Franc	0	0	$9\frac{6}{10}$ (or 25 to the £)
Algeria	,,	,,		,,
Tonkin	Piastre (silver)	0	4	6
Switzerland	Franc	0	0	$9\frac{6}{10}$ (or 25 to the £)
Portugal	Milreis	0	4	6
Spain	Peseta	0	0	$9\frac{6}{10}$
Italy	Lira	,,		,,
Austria	Krone (100 Heller)	0	0	10 (or 24 to the £)
Hungary	Korona (100 Fillér)	,,		,,
Greece	Drachma	0	0	$9\frac{6}{10}$ (or 25 to the £)
Bulgaria	Lew	,,		,,
Servia	Dinar	,,		,,
Roumania	Leu	,,		,,
Turkey	Piastre	0	0	2.16 (or 100 piastres = 18s.)
Morocco	Once	0	0	$5\frac{1}{5}$
Egypt	L. Egyptian (100 Piastres)	1	0	$6\frac{1}{4}$
,,	Piastre	0	0	2.46 ($97\frac{1}{2}$ to the £)
United States	Dollar	0	4	2
Porto Rico	,,	,,		,,
Cuba	,,	,,		,,
Mexico	Dollar (gold) (from 1905)	0	2	1
Hayti	Gourde	0	4	0
Venezuela	Bolivar	0	0	$9\frac{6}{10}$ (or 25 to the £)
Costa Rica	Colon (gold) (from July 15th, 1900)	0	1	$10\frac{15}{16}$
,,	Peso (gold) (prior to July 15th, 1900)	0	3	$5\frac{1}{2}$
Chile	Peso Fuerte (prior to 1898)	0	3	2
,,	,, ,, (gold) (from 1898)	0	1	6
Peru	Sol (gold)	0	2	0
,,	Libra (gold) (10 Soles)	1	0	0
Brazil	Milreis	0	2	3
Uruguay	Peso Fuerte	0	4	2
Argentine Republic	Peso Oro	0	4	0
Paraguay	Peso	0	4	0
China	Haikwan Tael	0	6	8
Japan	Yen (=100 Sen) prior to Oct. 1st, 1897	0	4	0 (par value)
,,	,, ,, from Oct. 1st, 1897 (gold)	0	2	$0\frac{1}{2}$

NOTE.—The equivalents are not in all cases the exact equivalents of the exchange of the day, but rates which are convenient for comparisons over long periods. This applies especially to those countries with inconvertible paper currencies. In such countries the nominal "face" value of the paper is often very greatly in excess of its current exchange value.

WEIGHTS AND MEASURES OF VARIOUS FOREIGN COUNTRIES, WITH THE ENGLISH EQUIVALENTS.

Countries.	Foreign.	English Equivalents.
Russia	Verste	0.663 of a mile.
,, ...	sq. verste	0.44 of a sq. mile.
,, ...	Pood	36 lbs. avoirdupois.
,, ...	Berkovets	360 lbs. ,,
,, ...	Tchetvert	5.77 imperial bushels.
,, ...	Dessiatine	2.7 acres.
,, ...	Vedro	2.7 imperial gallons.
Denmark	Dansk Mil	4.68 miles.
	Geo. Mil	4.61 miles.
	Geo. sq. Mil	21.195 sq. miles.
	Töndeland	1.36 acres.
	Tönde (Corn)	3.8 imperial bushels.
	,, (Coal)	4.6775 bushels.
	,, (Beer)	28.92 imperial gallons.
	Pund	1.102 lbs. avoirdupois.
	Pöt	0.213 of an imperial gallon.
Finland, Norway, Sweden, German Empire, Holland, Belgium, France, Austria, Hungary, Portugal, Spain, Switzerland, Italy, Roumania, Bulgaria and Servia ..	Mètre	1.09 yards.
	Kilometre	0.621 of a mile.
	sq. Kilometre (100 Hectares)..	0.386 of a sq. mile.
	Cub. Metre	1.308 cub. yards.
	Are	0.0247 acres.
	Hectare	2.47 acres.
	Kilogramme	2,204 lbs. avoirdupois.
	Quintal, Metrique	220.4 lbs. ,,
	Centner, Metrique (Double Centner)	
	Tonne (1,000 kilogs.).. ..	2,204 lbs. ,,
	Hectolitre (liquid measure) ..	22 imperial gallons.
	,, (cereals, etc.) ..	2.75 imperial bushels.
Greece	Ocque	2.84 lbs. avoirdupois.
,, ...	Quintal	123.2 lbs. ,,
,, ...	Livre	1.1 lbs. ,,
,, ...	Drachme	$\frac{1}{9}$ of an ounce.
Egypt	Pic (textiles)	22.83 inches.
,, ...	Feddan (of land)	1.04 acres.
,, ...	Oke	2.75136 lbs. avoirdupois.
,, ...	Cantar	99.05 lbs. ,,
,, ...	Ardeb of Wheat (118 okes)	324.6 lbs. ,,
,, ...	,, Maize (118 okes) ..	324.6 lbs. ,,
,, ...	,, Barley (88 okes) ..	242.6 lbs. ,,
,, ...	,, Rice (152 okes) ..	418.3 lbs. ,,
United States	Bushel (Winchester).. ..	0.9694 of imperial bushel (or 33 Winchester Bushels = 32 imperial bushels).
,, ...	Gallon (Old English) ..	0.833 of an imperial gallon (or 6 United States gallons = 5 imperial gallons).

WEIGHTS AND MEASURES OF VARIOUS FOREIGN COUNTRIES, WITH THE ENGLISH EQUIVALENTS—*continued.*

Countries.	Foreign	English Equivalents.
United States	Barrel of Flour	196 lbs. avoirdupois.
,, ...	Short Ton	2,000 lbs. ,,
,, ...	Long Ton	2,240 lbs. ,,
China	Tael (weight)	1.33 ozs.
,, ...	Catty	1.33 lbs. avoirdupois.
,, ...	Picul	133⅓ lbs. ,,
,, ...	Ts'un	1.41 inches.
,, ...	Ch'ih	1.175 feet.
,, ...	Chang	11.75 ,,
,, ...	Li	2,115 ,,
Japan	Ri	2.4403 miles.
,, ...	Square Ri	5.9552 sq. miles.
,, ...	Cho (long measure)	5.4229 chains.
,, ...	Cho (land measure)	2.4507 acres.
,, ...	Ken	1.9884 yards.
,, ...	Tsubo	3.9538 sq. yards.
,, ...	Koku (liquid)	39.7033 gallons.
,, ...	,, (dry)	4.9629 bushels.
,, ...	,, (capacity of vessel) ..	$\frac{1}{10}$ of a ton.
,, ...	Sho (liquid)	1.5881 quarts.
,, ...	,, (dry)	0.1985 peck.
,, ...	Kwan	8.2674 lbs. avoirdupois.
,, ...	Kin	1.3328 lbs. ,,

IMPERIAL TRADE.

CUSTOMS PREFERENCES GRANTED TO BRITISH PRODUCE.

The Colonies of Canada, New Zealand, and South Africa, inspired by loyalty to the Empire and influenced by a desire that British Trade should flow as freely as possible in imperial channels, grant a customs preference to goods of British production.

In order to obtain the advantages of the Preferential Tariffs, it is necessary for exporters to comply with certain requirements, and it is the object of this memorandum to give a *resumé* of those requirements as they exist at the present time.

CANADA.

I.—The nature of the Preference.

Under the British Preferential Tariff of Canada, articles which are the growth, produce, or manufacture of any of the following countries may, when imported direct* into Canada from any such countries, be entered for duty or taken out of warehouse for consumption in Canada at a reduced duty :—

The United Kingdom.
Bermuda.
British West Indies :—
- Bahamas.
- Jamaica.
- Turks and Caicos Islands.
- Windward Islands :—
  - Grenada.
  - St. Vincent.
  - St. Lucia.

British West Indies—*continued.*
- Barbados.
- Leeward Islands :—
  - Virgin Islands.
  - Antigua.
  - St. Christopher, Nevis.
  - Montserrat.
  - Dominica.
- Trinidad and Tobago.

British Guiana.
British India.
Ceylon.
Straits Settlements.
New Zealand.
South African Customs Union.

And any other British Colony or Possession decided upon by Canada.

* Goods imported in transit through an intermediate country will be taken as imported direct on production of bill of lading, etc., proving that the goods were originally intended for Canada.

IMPERIAL TRADE—*continued.*

CANADA—*continued.*

It is provided, however, that manufactured articles to be admitted under such preferential tariff shall be *bona fide* the manufactures of a country or countries entitled to the benefits of such tariff, and that such benefits shall not extend to the importation of articles into the production of which there has not entered a substantial portion of the labour of such countries. The latter condition is satisfied if (except in the case of goods partly produced in Germany, to which we refer more specifically below) one-fourth of the value of every article in its condition ready for export to Canada has entered into the production in the countries entitled to the preferential treatment.

II.—HOW TO OBTAIN THE PREFERENCE.

In order that British goods may enjoy the benefit of the Preferential Tariff Rates, exporters must furnish to the Canadian Customs Authorities invoices in duplicate upon the face or back of which there shall be written, printed, or stamped a certificate of origin in the form prescribed.

III.—SURTAX ON GERMAN GOODS.

By Act No. 15, of 1903, it is provided that articles which are the growth, produce, or manufacture of any foreign country which treats imports from Canada less favourably than from other countries, may be subject to a surtax equal to one-third of the duty imposed under the Canadian General Tariff.

Under the provisions of the Act, the Minister of Customs decided that the goods of Germany were subject to the surtax ; and it has been further decided that the surtax is to apply to any articles the CHIEF VALUE of which was produced in Germany although it may have been advanced or improved in value by the labour of another country, notwithstanding the provisions of the British Preferential Tariff and the regulations thereunder.

Thus in the case of articles partly produced in Germany the British Preferential Tariff does not apply unless one-half or more of the value as in condition ready for export to Canada has entered into the production in the countries entitled to preferential treatment. A further certificate in the prescribed form is required therefore, not only to obtain exemption from the surtax, but also to secure the preferential treatment.

IV.—TO STOP DUMPING.

In the case of articles exported to Canada of a class or kind made in Canada, if the export or actual selling price to the importer in Canada is less than the fair market value thereof, when sold for home consumption in the usual and ordinary course in the country whence imported to Canada, at the time of its exportation to Canada there shall—in addition to the duty otherwise established—be levied, collected, and paid thereon, a special duty of Customs equal to the difference between such fair market value and the said selling price ; provided, however, that the special customs duty on any article shall not in any case exceed 15 per cent. *ad valorem.* Provided also that the following goods shall be exempt from such special duty, viz. :—(*a*) Goods whereon the duties otherwise established are equal to 50 per cent. *ad valorem ;* (*b*) goods of a class subject to excise duty in Canada ; (*c*) sugar refined in the United Kingdom ; provided further that excise duties shall be disregarded in estimating the market value of goods for the purposes of a special duty when the goods are entitled to entry under the British Preferential Tariff.

In order to comply with the regulations, it is necessary that invoices in duplicate properly certified in the prescribed form shall be delivered at the Custom House with the bills of entry for all imported goods, and that every such invoice shall contain a sufficient and correct description of the goods, and, in respect of goods sold by the exporter, shall show in one column the actual price at which the articles have been sold to the importer, and in a separate column the fair market value of each article as sold for home consumption

IMPERIAL TRADE—*continued.*

CANADA—*continued.*

in the country of export. The "price" and "value" of the goods in every case aforesaid are to be stated as in condition packed ready for shipment at the time when, and at the place whence, the goods have been exported directly to Canada. An increase in the market value of goods between the time of purchase by the importer and the date of shipment is not subject to special duty if the date of purchase is established to the satisfaction of the Customs; whilst in the case of "out of season" goods and of articles which are not sold for home consumption, the fair market value should be estimated at not less than the selling price to the purchaser in Canada, nor less than the cost of manufacture or production as in condition ready to be placed on the market.

COMBINED CERTIFICATES.

In order to facilitate compliance with the complicated regulations in force, the Canadian Government has arranged the following forms of combined certificate, namely :—

No. 1.

BEING FORM OF COMBINED CERTIFICATE WHICH MAY BE USED ON INVOICES OF GOODS FOR ENTRY UNDER THE BRITISH PREFERENTIAL TARIFF.

I, (a) .....
hereby certify that I am (b) .....
of (c) .....
the exporter(s) of the articles included in this invoice, and that I am duly authorized to make and sign this certificate on behalf of the said exporter(s).....
.....

I have the means of knowing, and I do hereby certify that this invoice from the said
(d) .....to
(e).....amounting to
(f) .....
.....
is true and correct; that all the articles included in the said invoice are bona fide the produce or manufacture of one or more of the following countries, viz. :—
(g) .....
.....
and that a substantial portion of the labour of one or more of such countries has entered into the production of every manufactured article included in the said invoice to the extent in each article of not less than one-fourth of the value of every such article in its present condition ready for export to Canada;

That the said invoice contains a true and full statement showing the price actually paid or to be paid for the said goods, the actual quantity thereof, and all other charges thereon;

That the said invoice also exhibits the fair market value of the said goods at the time and place of their direct exportation to Canada, and as when sold at the same time and place in like quantity and condition for home consumption, in the principal markets of the country whence exported directly to Canada, without any discount or deduction for cash, or on account of any drawback or bounty, or on account of any royalty actually payable thereon or payable thereon when sold for home consumption, but not payable when exported, or on account of the exportation thereof or for any special consideration whatever;

That no different invoice of the goods mentioned in said invoice has been or will be furnished to anyone; and

(a) Name of person signing the certificate.
(b) Insert the words partner, manager, chief clerk, or principal official, giving rank as the case may be.
(c) Name and address of exporter or exporters.
(d) Name of exporter or exporters.
(e) Name of party or parties to whom articles invoiced.
(f) Insert in words at length the total value of the invoice.
(g) Names of the countries where the articles have been produced or manufactured, being countries entitled in Canada to the benefits of the British Preferential Tariff.

IMPERIAL TRADE—*continued.*

CANADA—*continued.*

That no arrangement or understanding affecting the purchase price of the said goods has been or will be made or entered into between the said exporter and purchaser or by anyone on behalf of either of them, either by way of discount, rebate, salary, compensation, or in any manner whatsoever other than as shown in the said invoice.

Whereas, German goods are subject to a surtax in Canada, I certify that the chief value of none of the articles included in this invoice was produced in Germany.

Signature.....

Dated at .....
this.....day of
.....190 .

NOTE.—Goods for entry under the Preferential Tariff should be invoiced and packed separately from other goods. The packages may, however, be enclosed with other goods, provided the enclosure be noted on the invoice for the other goods as well as on the preferential invoice.

No. 2.

BEING FORM OF COMBINED CERTIFICATE THAT MAY BE USED ON INVOICES OF GOODS FOR ENTRY UNDER THE GENERAL TARIFF.

I, the undersigned, do hereby certify as follows :—

(1) That I am the (a).....exporter of the goods in the within invoice mentioned or described ;

(2) That the said invoice is in all respects correct and true ;

(3) That the said invoice contains a true and full statement showing the price actually paid or to be paid for the said goods, the actual quantity thereof, and all charges thereon ;

(4) That the said invoice also exhibits the fair market value of the said goods at the time and place of their direct exportation to Canada, and as when sold at the same time and place in like quantity and condition for home consumption, in the principal markets of the country whence exported directly to Canada, without any discount or deduction for cash, or on account of any drawback or bounty, or on account of any royalty actually payable thereon or payable thereon when sold for home consumption, but not payable when exported, or on account of the exportation thereof, or for any special consideration whatever ;

(5) That no different invoice of the goods mentioned in said invoice has been or will be furnished to anyone ; and

(6) That no arrangement or understanding affecting the purchase price of the said goods has been or will be made or entered into between the said exporter and purchaser, or by anyone on behalf of either of them, either by way of discount, rebate, salary, compensation, or in any manner whatsoever other than as shown in the said invoice.

Whereas, German goods are subject to surtax in Canada, I certify that none of the articles included in this invoice are the produce or manufacture of Germany, and that the chief value of none of said articles was produced in Germany—save and except all articles opposite which the word "Germany" is written on this invoice.

Signature.....

Dated at .....
this.....day of
.....190 .

(a) Insert the word partner, manager, chief clerk, or principal official, giving rank as the case may be.

NEW ZEALAND.

Under the New Zealand Preferential Trade Act, No. 78, of 1903, it is provided that the undermentioned articles, NOT being the produce or manufacture of some part of the British Dominions, are subject to the following duties :—

(1) **To an additional amount equal to the amount payable under the general Tariff :—**
Cement.

IMPERIAL TRADE—*continued.*

NEW ZEALAND—*continued.*

(2) To an additional amount equal to 50 per cent. of the amount payable under the general Tariff :—

Basket and wicker ware, n.o.e., not being furniture.
Bicycles, tricycles, and the like vehicles, also finished or partly finished or machined parts of same, n.o.e., including weldless steel tubing cut to short lengths.
Boots, shoes and slippers, n.o.e., goloshes, clogs, patterns, vamps, uppers, and laces.
Candles.
Carriages, carts, drays, wagons, and perambulators, and wheels for same.
China, porcelain, and parian ware.
Clocks.
Cordage and rope, n.o.e.
Cream of Tartar.
Earthenware, stoneware, and brown ware.
Fancy goods and toys
Firearms, all kinds.
Fish, potted and preserved
Furniture and cabinet ware, n.o.e., and other than iron
Glass, crown, sheet, and common window.
Glass ware, also plate glass, and glass polished, coloured, and other kinds, n.o.e., globes and chimneys for lamps
Hardware, ironmongery, and hollowware.
Hops.
Iron nails.
Iron pipes and fittings for same, including main cocks
Lamps, lanterns, and lamp wick.
Musical instruments, viz., pianos.
Paper-hangings.
Paper, wrapping, viz. : blue, candle, glazed, cap, glazed casings, small hand, lumber hand, and tissue.
Paper, wrapping, other kinds, including brown, cartridge, and sugar papers.
Plate and plated ware.
Pumps and other apparatus for raising water.

(3) To a duty of 20 per cent. ad valorem :—

Bicycles and tricycles, fittings for, viz. : rubber tyres, pneumatic tyres, outside covers and inner tubes, rubber and cork handles and pedal rubbers, also drop forgings and stampings, ball bearings, weldless steel tube in full lengths, rims, forks and spokes in the rough.
Gas engines and hammers, and oil engines.
Gum boots.
Iron and steel cordage.
Iron, plain black sheet, rod, bolt, bar, and plate.
Printing paper.
Rails for railways and tramways.
Sailcloth, canvas, and unbleached double warped duck.
Surgical and dental instruments and appliances.

The articles enumerated in No. 3, when of British production, are free of duty.

In order to secure the benefit of the British Preference, it is necessary that a certificate of origin in the prescribed form written or printed on the invoice should be produced to the Customs

The invoice must not relate to any goods other than those to which the certificate refers.

IMPERIAL TRADE—*continued.*

NEW ZEALAND—*continued.*

CERTIFICATES OF ORIGIN.

No. 1.

The following is the form of certificate prescribed to be written or printed on invoices of all articles, except tea, for entry under the Preferential Tariff of New Zealand, when made and signed by an individual exporter personally.

I, [full name of exporter] the exporter of the articles included in this invoice, have the means of knowing, and I do hereby certify that the said invoice, being from myself to [name of party or parties to whom articles invoiced] and amounting to [insert in words at length total value of invoice] is true and correct; that all the articles included in the said invoice are bona fide the produce or manufacture of one or more of the following countries, viz.: [names of countries, being in every case part of the British Dominions], and that a substantial portion of the labour of one or more such countries has entered into the production of every manufactured article included in the said invoice, to the extent in each article of not less than one-fourth of the value of every such article in its present condition ready for export to New Zealand.

(Signed).....

Dated at.....this.....day of.....190....

No. 2.

The following is the form of certificate prescribed to be written or printed on invoices of all articles, except tea, for entry under the Preferential Tariff of New Zealand, when made and signed by a person other than an individual exporter:—

I, [full name of person signing certificate] hereby certify that I am [insert the words partner, manager, chief clerk, or principal official, giving rank as the case may be] of [name and address of exporter or exporters], the exporter(s) of the articles included in this invoice, and that I am duly authorised to make and sign this certificate on behalf of the said exporter(s).

I have the means of knowing, and I do hereby certify that this invoice from the said [name of exporter or exporters] to [name of party or parties to whom articles invoiced], amounting to [insert in words at length total value of invoice] is true and correct; that all the articles included in the said invoice are bona fide the produce or manufacture of one or more of the following countries, viz.: [name of countries, being in every case part of the British Dominions], and that a substantial portion of the labour of one or more of such countries has entered into the production of every manufactured article included in the said invoice to the extent in each article of not less than one-fourth of the value of every such article in its present condition ready for export to New Zealand.

(Signed).....

Dated at.....this.....day of.....190

SOUTH AFRICA.

According to the provisions of the South African Customs Union Convention, a rebate is allowed on articles the growth, produce, or manufacture of the United Kingdom imported into the Union for consumption therein. The Convention provides that a similar rebate shall be granted in like manner and under like provisions to goods and articles the growth, produce, or manufacture of any British Colony, Protectorate, or Possession granting equivalent reciprocal privileges to the Colonies and Territories belonging to the South African Customs Union, which includes the Cape of Good Hope, Natal, Orange River Colony, Transvaal, Southern and North-Western Rhodesia, Basutoland, Swaziland, and the Bechuanaland Protectorate.

IMPERIAL TRADE—*continued.*

SOUTH AFRICA—*continued.*

The Customs Regulations provide that no rebate shall be allowed unless there is produced on importation for the purpose of proving that the goods are bona fide the manufacture of the United Kingdom (or Colony or Possession as the case may be), a certificate of origin signed by the manufacturer or the supplier. It is necessary that this certificate should be written, printed, or stamped on the invoice or attached thereto, and if one or other of the requirements is not complied with, then full particulars of the goods must be shown on the certificate.

The following are the prescribed forms of certificate :—

No. 1.

Form of certificate prescribed to obtain a rebate of Customs Duties on goods and articles the growth, produce, or manufacture of the United Kingdom when made and signed by the individual manufacturer or supplier personally :—

I, (a).....the $\frac{\text{manufacturer}}{\text{producer}}$ of the articles included in this invoice, have the means of knowing, and do hereby certify that the said invoice, being from myself to (b).....and amounting to (c)..... .....is true and correct, and that all the articles included in the said invoice are bona fide the growth, produce, or manufacture of the United Kingdom, and that a substantial portion of the labour of that country has entered into the production of every manufactured article included in the said invoice, to the extent in each article of not less than one-fourth of the value of every such article in its present condition ready for export to (d).....

(Signed).....

Dated at.....this.....day of.....19..

NOTES.—(a) Full name of manufacturer or producer.
(b) Name of party or parties to whom articles invoiced.
(c) Insert in words at length total value of invoice.
(d) Insert name of Colony or territory to which goods consigned.

No. 2.

Form of certificate prescribed to obtain a rebate of Customs Duties on goods and articles the growth, produce, or manufacture of the United Kingdom when made and signed by a person other than an individual manufacturer or supplier :—

I, (a).....hereby certify that I am (b)..... of (c).....the $\frac{\text{manufacturer(s)}}{\text{supplier(s)}}$ of the articles included in this invoice, and that I am duly authorised to make and sign this certificate on behalf of the said $\frac{\text{manufacturer(s)}}{\text{supplier(s)}}$.

I have the means of knowing, and I do hereby certify that this invoice from the said (d).....to (e)..... amounting to (f)..... is true and correct, and that all the articles included in the said invoice are bona fide the growth, produce, or manufacture of the United Kingdom, and that a substantial portion of the labour of that country has entered into the production of every manufactured article included in the said invoice, to the extent in each article of not less than one-fourth of the value of every such article in its present condition ready for export to the (g).....

(Signed).....

Dated at.....this.....day of.....19..

NOTES.—(a) Name of person signing the certificate.
(b) Insert words partner, manager, chief clerk, or principal official, giving rank as the case may be.
(c) Name and address of manufacturer(s) or supplier(s).
(d) Name of manufacturer(s) or supplier(s).
(e) Name of party or parties to whom articles invoiced.
(f) Insert in words at length total value of invoice.
(g) Name of colony or territory to which goods consigned.

IMPERIAL TRADE—*continued.*

SOUTH AFRICA—*continued.*

No. 3.

The certificate will be waived in the case of postal packages not exceeding £10 in value, if the contents of such packages are not merchandise for sale, provided, however, that such packages shall have endorsed on them a certificate in the following form, which shall be signed in the presence of a postal officer in the country whence the goods are shipped :—

Every article herein to the extent of at least one-fourth of its present value is bona fide the produce or manufacture of the United Kingdom.

Dated at.....19....
Signature of Sender.....
In the presence of.....Postal Officer

MERCHANDISE MARKS.

The Merchandise Marks Act of 1887 places certain restrictions on the importation of foreign goods into the United Kingdom. For instance, the importation of goods bearing forged trade marks is absolutely prohibited. A forged trade mark is a trade mark which is used without the assent of the proprietor, or a mark so nearly resembling a British trade mark that it is calculated to deceive. It is also illegal to import goods bearing a false trade description, that is to say, a trade description which is false in a material respect as regards the goods to which it is applied, including any and every alteration of a trade description whether by way of addition, effacement, or otherwise. The provisions of the Act as to the application of a false trade description to goods extends to the application to goods of any such figures, words, or marks or arrangement or combination thereof, whether including a trade mark or not, as are reasonably calculated to lead persons to believe that the goods are the manufacture or merchandise of some person other than the person whose manufacture or merchandise they really are. In addition to these two classes of goods, all goods of foreign manufacture bearing any name or trade mark being or purporting to be the name or trade mark of any manufacturer, dealer, or trader in the United Kingdom, unless such name or trade mark is accompanied by a definite indication of the country in which the goods were made or produced, are prohibited to be imported into the United Kingdom. Where there is on any goods a name which is identical with or a colourable imitation of the name of a place in the United Kingdom, then in order to keep within the law, the name of the country of origin should be also applied to the goods. Goods imported into the United Kingdom which do not bear any mark whatever either on the goods themselves or on the coverings containing them, are not required to bear any statement or indication of the country of origin ; but if goods imported from a foreign country are falsely described as to the country in which they were made or produced, then they are prohibited. The Act does not specify particularly what is to be the qualification in this latter case, but the Customs regulations prescribe that if the mark indicates expressly or by reference a place or country which is not in reality the place or country of production, then there must be a definite qualification to the effect that the goods were not made in the place or country indicated ; or a definite indication of the place or country in which the goods were made or produced.

In order that British traders can obtain the maximum amount of protection for their names and marks, the Board of Customs have established a system of registration, so that a manufacturer, dealer, or trader may register his name or mark at such port or ports as he desires. In respect of names or marks so registered, it will be the duty of the officers at the particular port or ports to prevent the delivery of goods to which such names or marks, or imitations of them, are applied unless the delivery is authorised by the registered proprietor.

It should be understood that no attempt has been made in this short memorandum to deal at length with the provisions of the Merchandise Marks Law or the complicated regulations of the Customs authorities framed thereunder. Our object has been solely to give a broad general outline of the scope of the Law.

POSTAL GUIDE.

INLAND POSTAL RATES.

To any part of the United Kingdom, including the Orkney and Shetland Islands, the Channel Islands, Isle of Man, and the Scilly Islands.

LETTERS.

Not exceeding 4 oz.	1d.
For every additional 2 oz...	½d.

There is no limit as to weight, but the size must not be greater than: length, 2 ft.; width, 1 ft.; depth, 1 ft. (These limits do not apply to official letters.)

HALF-PENNY PACKET POST.

Not exceeding 2 oz. – – – – – – – ½d.

Commencing on October 1st, 1906, important changes were made in the regulations respecting the transmission of packets by half-penny post. The list of commercial and other documents now transmissible for one half-penny includes practically all formal partly-printed documents in general use in business, such as invoices, orders for goods, advice notes of the despatch or receipt of goods, statements of account, quotations, contract notes, agreements, policies of insurance, licenses, printed proofs, sketches, charts, and so on.

A half-penny packet may not exceed 2 ft. in length and 1 ft. in width or depth; such packets must be posted either without a cover or in an unsealed envelope.

POST CARDS.

Post Cards, ½d. Inland; 1d. Foreign and Colonial.

Cards with the stamps in payment of postage affixed to the back instead of the address side are no longer taxed as letters. In addition to the postage or revenue stamps and the small address label already permitted it is now permissible to attach to a post card—(A) a gummed label not exceeding 2 ins. in length by ¾ in. in width, bearing the name and address of the sender of the card; and (B) engravings, illustrations, drawings, and photographs on very thin paper, provided that they are completely adherent, either on the back of the card or on the left-hand half of the address side. These regulations apply to post cards of all kinds whether addressed to places in the United Kingdom or to places in a Colony or Foreign Country, and, moreover, single post cards of private manufacture addressed to places abroad will no longer be taxed in the British Post Office on account of the omission of the title "Post Card."

PARCELS.

Not Exceeding.	s.	d.	Not Exceeding	s.	d.
1 lb.	0	3	8 lbs.	0	8
2 lbs...	0	4	9 ,, ...	0	9
3 ,, ...	0	5	10 ,, ...	0	10
5 ,, ...	0	6	11 ,, ...	0	11
7 ,, ...	0	7			

The limit of weight is 11 lbs.; the maximum length 3 ft. 6 in.; and the greatest length and girth combined 6 ft. The words "parcel post" must appear on the top left hand corner.

NEWSPAPERS.

The charge is ½d. for the inland transmission of any daily or weekly registered newspaper, the weight being disregarded. If more than one paper be included in a packet the charge is ½d. for each 2 oz. No packet of newspapers may exceed 5 lbs. in weight, 2 ft. in length, 1 ft. in width, or 1 ft. in depth. A newspaper should be so folded as to admit of the title being readily seen, and must be posted either without a cover or in a cover open at both ends.

CONVEYANCE OF LETTERS BY RAIL.

Single letters not exceeding 4 oz. in weight may be sent by train or steamboat on payment of the ordinary postage PLUS a fee of 2d., and may be addressed "to be called for," to be sent by ordinary post or despatched by express delivery as explained below.

Express Delivery—there are three systems, viz. :—

1. By special messenger all the way. This is the most rapid service, and to secure it letters, etc., must be handed in at an express Delivery Post Office.
2. By special messenger after transmission by post. For this service a letter may be posted in any letter-box, from which it will be expressed on reaching the proper office.
3. By special delivery in advance of the ordinary mail. By this means any person may make an arrangement with the local postmaster to secure the immediate delivery of his own correspondence on its arrival.

The express fee under system No. 1 (inclusive of charges for omnibuses, tramcar, railway, etc.) is 3d. per mile or part of a mile.

If sender desires a cab or other special conveyance to be used the cost must be paid in addition to the express fee.

A message can be sent by telephone by a subscriber to a telephone exchange, or from a telephone call office, to a post office for delivery as an express letter at the usual express delivery fee if it does not contain more than thirty words. For a message of more than thirty and not exceeding sixty words a double express fee is charged.

ARTICLES WHICH MUST NOT BE SENT BY POST.

Nothing indecent, explosive, or dangerous, no living creature, nor anything likely to injure the contents of the Mails or an officer of the Post Office, is allowed to be sent by post.

MAKE-UP OF CORRESPONDENCE.

Everything sent through the post must be so packed or made up as to preserve the contents from loss or damage in the post, and to prevent injury to other correspondence.

Liquids or semi-liquids, such as jellies, pickles, paint, varnish, must be put into bottles or cases securely stoppered. The edges or points of sharp instruments, such as axes, razors, needles, or forks must be carefully protected. A packet with fragile or perishable contents should be conspicuously marked "Fragile, with Care," or "Perishable."

RE-DIRECTION.

Letters, post cards, half-penny packets, and newspapers are not charged when re-directed by an officer of the Post Office or by an agent of the addressee, provided that in the latter case they are re-posted not later than the day after delivery (Sundays and public holidays not being counted). Any which appear to have been opened or tampered with before being re-posted will be charged as unpaid. Parcels are, however, subject, when re-directed, to an additional postage at the prepaid rate for each re-direction, except where the original and the second address are both within a delivery from the same Post Office, and the parcels are re-posted within the period of free re-direction allowed for letters.

POSTE RESTANTE.

Correspondence addressed "Post Office, to be called for," or "Poste Restante," is delivered from the Head Post Office, Branch or District Offices, and from Country Sub-Offices. The address should show clearly at which office it will be applied for. The Poste Restante is intended solely for the use of strangers or travellers, and even they may not use the Poste Restante for more than three months. Letters addressed to initials or to fictitious names at Post Offices are not taken in at the Poste Restante, but are sent to the Returned Letter Branch for disposal.

Parcels addressed to a Post Office to be called for become liable to a charge of 1d. a day after they have remained in the office one clear day. They are not kept at the Poste Restante more than three weeks.

"BLIND LITERATURE" POST.

Papers and books impressed for the use of the blind can be sent at the following rates of postage :—

Not exceeding 2 oz.	½d.
Exceeding 2 oz. and not exceeding 2 lb.	1d.
Exceeding 2 lb. and not exceeding 5 lb.	1½d.

The special conditions applicable will be found on page 48 of the "Post Office Guide."

REGISTRATION AND COMPENSATION.

The ordinary registration fee for all classes of correspondence, including parcels, is 2d. in addition to the postage.

Subject to certain conditions, this fee secures compensation in the event of loss or damage up to £5. Subject to the same conditions, compensation for a larger amount (up to £400) may be secured on payment of the proper fees. The fees (which in each case include the ordinary registration fee of 2d.) and the respective limits of compensation are as follows :—

Fee.	Limit of Compensation.	Fee.	Limit of Compensation.	Fee.	Limit of Compensation.
d.	£	s. d.	£	s. d.	£
2	5	0 9	140	1 4	280
3	20	0 10	160	1 5	300
4	40	0 11	180	1 6	320
5	60	1 0	200	1 7	340
6	80	1 1	220	1 8	360
7	100	1 2	240	1 9	380
8	120	1 3	260	1 10	400

No compensation is given in respect of money unless it is sent by Letter Post in one of the registered letter envelopes sold by the Post Office, and certain other conditions are complied with, and in no case does the compensation given in respect of coin exceed £5.

PRIVATE BOXES AND BAGS.

The charges made for the use of private boxes and bags may be ascertained on application to the Postmaster. Fees for the use of private boxes and bags are payable in advance. The letters are delivered on presentation at the private box office of the check card furnished to the renter by the Postmaster, or on presentation of a written order signed by the renter.

PRIVATE POSTING BOXES.

Arrangements are made for special collections of letters from private posting boxes at offices or private residences. Particulars may be obtained of the Postmaster.

PREPAYMENT IN MONEY.

The postage on inland letters, post cards, half-penny packets and parcels, when it amounts to £1 and upwards can be paid in money at the Head Office between 10 a.m. and 4 p.m. The letters, post cards, or packets should be tied in bundles representing a postage of 5s. each (or, in the case of exceptionally bulky packets, 2s. 6d. each), with the addresses arranged in the same direction.

FOREIGN AND COLONIAL SERVICE.

Letter Post.—The postage to be prepaid on letters for all foreign countries (except Egypt) is 2½d. per ½ oz. From the United Kingdom to British Possessions generally and to Egypt the letter rate is 1d. per ½ oz.

Letters to and from His Majesty's ships abroad are also transmissible at the rate of 1d. per ½ oz.

No letter may exceed 2 ft. in length or 1 ft. in width or depth.

Post Cards.—For post cards the postage is 1d. for each single card, and 2d. for each reply card.

Printed Papers and Commercial Papers.—Newspapers and other printed papers are subject to a postage of ½d. per 2 oz. or part of 2 oz. On packets of commercial papers the same postage is payable, but the minimum charge is 2½d.

No packet of printed papers or commercial papers may exceed 18 ins. in length and 1 ft. in width or depth if it is intended for transmission to a foreign country in the Postal Union, or 2 ft. in length and 1 ft. in width or depth if addressed to a British Colony or Possession, or to a non-Union country or colony, unless it is in the form of a roll, when the limits of size in any case are 30 ins. in length and 4 ins. in diameter. The limits of weight are 5 lbs. for British Colonies or Possessions and for non-Union countries or colonies, and 4 lbs. for foreign countries in the Postal Union.

Samples.—The rate is the same as for printed papers, with a minimum charge of 1d. A packet of samples sent to any British Colony or Possession or to a non-Union country must not exceed 2 ft. in length by 1 ft. in width or depth, or 5 lbs. in weight; but to any foreign place comprised in the Postal Union the size is limited to 12 ins. in length, 8 ins. in width, 4 ins. in depth; or, if in the form of a roll, the packet must not exceed 12 ins. in length and 6 ins. in diameter. The limit of weight for packets of samples for all foreign countries in the Postal Union is 12 oz.

Parcel Post.—Parcels for places abroad must be strongly packed and fastened with seals. The nature and value of the contents must be described on special forms provided at all Post Offices. In the case of parcels for almost all foreign countries a despatch note must also be filled up.

The limit of weight is in nearly all cases 11 lbs.; the exceptions to this rule, the limits of size, the rates of postage, the articles prohibited from transmission, the regulations as to prepayment of Customs charges, compensation, acknowledgment of delivery, etc., may be ascertained at any Post Office or on reference to the "Post Office Guide"

Registration and Insurance.—Letters, post cards, printed papers, commercial papers and samples for places abroad, with a few exceptions, can be registered, the fee being 2d. An acknowledgment of the delivery of a registered packet may be obtained by paying a fee of 2½d., and this fee is payable for any enquiry as to the loss or non-delivery of a registered article unless the sender has already paid for an Acknowledgment of Delivery at the time of posting. Letters and parcels for most European countries and some others can be insured against loss and abstraction of contents, the fee being 5d. for the first £12 of value insured, and 2½d. for each additional £12 up to £120. Letters which contain articles other than documents cannot be insured.

TELEGRAPHS.

INLAND.

Charges.—The charge is 6d. for the first twelve words, including the address, and ½d. for each additional word. Groups of figures are counted at the rate of five figures to a word.

Delivery.—Telegrams are delivered free of charge within three miles of the Telegraph Office nearest the address, or within the town postal delivery of the terminal office—if a Head Office, when that delivery extends beyond three miles. When the addressee resides beyond the free delivery porterage is charged at the rate of 3d. per mile or part of a mile, reckoning from the boundary of the free delivery. A telegram handed in late at night may, at the request of the sender, be held over for delivery on the following morning.

Prepaid Replies.—The cost of a reply not exceeding forty-eight words may be prepaid, and a reply form will then be delivered to the addressee, who may send his reply

from any Telegraph Office or use the form to prepay any message within two months. If the form be not used the value of it will be refunded to the sender of the original if he applies and sends the form within two months to the Secretary, General Post Office.

Addresses.—The address of a telegram should be sufficiently full to enable it to be delivered without difficulty, and without reference to directories or other sources of information. In telegrams for towns the name of the street and the number of the house should be given when the address is not registered. An address ordinarily used for letters is not necessarily correct or sufficient for telegrams

Abbreviated Telegraphic Addresses.—Any person may register an abbreviated telegraphic address on payment of a fee of one guinea per annum. Applications should be made to the Chief Office.

Repetition.—If the receiver of a telegram doubts its accuracy, he may have it repeated by depositing half the amount paid for its transmission to him. The money will be refunded to him if it is found that the telegram has been inaccurately transmitted. The sender may also have a telegram repeated back from office to office on payment of an additional half rate at the time of handing in ; but in this case no copy of the repetition is given to the sender.

FOREIGN

Foreign telegrams may be written in plain language or in secret language. Secret language comprises code language and figure or letter cypher.

In plain language the length allowed for a single word is fifteen letters, additional letters being charged for at the rate of fifteen letters to a word.

Words in plain language in the text of a mixed telegram (that is, a telegram containing words in plain language and words in code language) are charged for at the rate of ten letters to a word, any excess being charged for at the rate of ten letters to a word.

Code words must not contain more than ten letters. They may be real words or pronounceable groups of letters having the appearance of real words. The real words must be drawn from one of the following languages : English, French, German, Italian, Spanish, Portuguese, Dutch, and Latin ; the groups of letters must be pronounceable according to the usage of one of those languages.

Words incorrectly spelled so as to reduce the number of letters below the maximum, or incorrectly joined together contrary to the usage of the language, are inadmissible.

In cypher language, which comprises groups of figures or letters having a secret meaning, the groups are counted at five figures or letters to a word. Figure and letter cypher cannot be combined in one telegram.

A reply of any length can be prepaid to a foreign telegram ; the amount paid for a reply is refunded to the sender of the original telegram if no reply is sent, provided that application is made within three months. Foreign reply forms are only available for six weeks.

The sender can have his telegram repeated from office to office throughout the whole course of its transmission by paying an additional quarter rate plus the charge for an additional word, the letters "TC" being inserted immediately before the receiver's address.

The receiver of a telegram can obtain the correction of passages which are doubtful by paying for two separate telegrams, viz., one requesting the repetition and the other consisting of the reply. The amount is refunded on application to the Secretary, General Post Office, if the telegram has been inaccurately transmitted.

If the repetition shows that the repeated words were not all inaccurately transmitted in the first instance, a proportionate part only of the amount paid for repetition will be refunded.

CHARGES FOR FOREIGN AND COLONIAL TELEGRAMS.

European System.

(In no case is a lower sum than 10d. accepted for a telegram or reply.)

	For Each Word. S.	D.
Austria	0	3
Belgium	0	2
Canary Islands	0	9
Denmark	0	3
France	0	2
Germany	0	2
Gibraltar	0	3
Greece and Greek Islands	0	6
Holland	0	2
Hungary	0	3
Iceland	0	8½
Italy	0	3
Malta	0	4½
Morocco—Tangier	0	4½
Norway	0	3
Portugal	0	3
Russia-in-Europe	0	4½
Servia	0	3½
Spain	0	3
Via Marseilles Cable	0	5
Sweden	0	3½
Switzerland	0	3
Turkey (Europe and Asia)	0	6½

Extra-European System.

	For Each Word. S.	D.	S.	D.
Argentine Republic	3	10 to	4	2
Australia (New South Wales, Queensland, South Australia, Tasmania, Victoria, and Western Australia)	2	9 to	3	0
Bahamas			2	5
Bermuda			2	6
Brazil	3	0 to	4	0
Places on Amazon	4	11 to	6	5
Burma	1	10 to	2	0
Canada, Dominion of:				
British Columbia	1	6 to	3	1
Cape Breton			1	0
Manitoba			1	6
New Brunswick			1	0
North-West Territories	1	6 to	3	2
Nova Scotia			1	0
Ontario Province			1	0
Prince Edward Island			1	0
Quebec Province			1	0
Cape Colony			2	6
Cape Verd Islands:				
St. Vincent			2	2
St. Thiago			3	1
Ceylon	1	11 to	2	1
Chili	3	10 to	5	9
China	4	2 to	4	7
Cochin China	3	7 to	3	10
Corea	4	7 to	4	10
Cyprus			1	0
Dutch East Indies:				
Java	3	9 to	4	0
Other Islands	4	2 to	4	5
East Africa:				
British East Africa (including Uganda)	2	6 to	2	9
East Africa—continued.				
German East Africa	2	8 to	3	1
Italian East Africa	2	1 to	2	2
Portuguese East Africa	2	7 to	3	0
Zanzibar			2	6
Egypt	1	0 to	1	4
Guiana, British			7	0
India	1	10 to	2	0
Japan	4	7 to	4	10
Madeira			1	0
Mauritius			2	6
Mexico	1	6 to	2	1
Natal			2	6
Newfoundland			1	0
New Zealand	2	9 to	3	0
Orange River Colony			2	6
Persia	1	6 to	1	9
Persian Gulf	2	0 to	2	3
Peru			5	9
St. Helena			2	6
Transvaal			2	6
United States	1	0 to	1	6
West Africa:				
British Possessions—				
Bathurst			3	6
Gold Coast	4	8 to	4	10
Nigeria	5	0 to	5	2
Sierra Leone	3	6 to	3	7
West Indies—				
Barbados			4	9
Cuba	1	8 to	1	10
Grenada			4	8
Jamaica			3	0
Porto Rico			4	2
St. Vincent			4	7
Trinidad			5	1
Zululand			2	6

TELEPHONES.

Trunk Telephone Lines.

The scale of charges for three minutes' conversation is as follows :—

For distances not exceeding 25 miles – – – – – – –	3d.
For distances exceeding 25 miles and not exceeding 50 miles – – –	6d.
For distances exceeding 50 miles and not exceeding 75 miles – – –	9d.
For distances exceeding 75 miles and not exceeding 100 miles – –	1s.
For every additional 40 miles or fraction thereof – – – – –	6d.

When a Trunk conversation is between a subscriber to the National Telephone Company's system and a caller or subscriber of the Municipal Exchanges at Portsmouth or Swansea, the following additional charges or "terminal fees" have to be paid :—

	For each Period of 3 Minutes.
When the Trunk Wire charge for three minutes' conversation does not exceed 1s. 6d. – – – – – – – – – – – – – –	3d.
When the Trunk Wire charge for three minutes' conversation exceeds 1s. 6d., but does not exceed 3s. – – – – – – – – – –	4d.
When the Trunk Wire charge for three minutes' conversation exceeds 3s.	6d.

The ordinary period of conversation is limited to three minutes, but any person may secure the uninterrupted use of a Trunk Line for six minutes by prepaying a double fee, or may extend a three minutes' conversation to six minutes on demand at the end of the first period. The latter privilege can be exercised at a Post Office call office only if a deposit has been made by the caller in the first instance to cover the fee for the second period of three minutes ; this deposit is refunded if the call is not extended.

Callers are required to pay the call office fee in addition to the Trunk fee on calls originated at Post Office call offices. Between the hours of 7 p.m. and 7 a.m. the charge for a six minutes' conversation is the same as for a single period of three minutes during the day, and for long-distance calls the charge for three minutes' conversation is at half the day rate.

MONEY ORDERS.

Rates of Poundage.

Inland :—

					Poundage.
For sums not exceeding	£1	– – – – – – – – – –			2d.
,, exceeding	£1	and not exceeding	£3	– – – – –	3d.
,, ,,	£3	,, ,,	£10	– – – – –	4d.
,, ,,	£10	,, ,,	£20	– – – – –	6d.
,, ,,	£20	,, ,,	£30	– – – – –	8d.
,, ,,	£30	,, ,,	£40	– – – – –	10d.

Foreign and Colonial :—

					s.	d.
For sums not exceeding	£1	– – – – – – – – –			0	3
,, exceeding	£1	and not exceeding	£2	– – – –	0	6
,, ,,	£2	,, ,,	£4	– – – –	0	9
,, ,,	£4	,, ,,	£6	– – – –	1	0
,, ,,	£6	,, ,,	£8	– – – –	1	3
,, ,,	£8	,, ,,	£10	– – – –	1	6
For every additional amount not exceeding £2 up to and including £40 – – – – – – – – – – – –					0	3

(The maximum amount for a single Order for most countries is £40, but in a few cases it is £20 or £10.)

When, in order to catch an earlier mail to a place abroad, the remitter desires the particulars to be advised to the Money Order Department, London, by TELEGRAPH, instead of by POST, a supplementary fee of 6d. will be charged for each Order in addition to the ordinary poundage and the cost of the Telegram of Advice.

Telegraph Money Orders.

Inland.—The charges are as follows :—

(1) Poundage at the same rate as for ordinary Inland Money Orders.
(2) A charge for the Telegram of Advice at the ordinary rate for Inland telegrams.
(3) A supplementary fee of 2d. for each Order.

Telegraph Money Orders are issued at all Money Order Offices that are DESPATCHING offices for telegrams, and may be made payable at any Money Order Office which is also an office for the DELIVERY of telegrams.

Foreign and Colonial.—Telegraph Money Orders are exchanged with Austria, Belgium, Bosnia-Herzegovina, Denmark, Egypt, France and Algeria, Germany, Holland, Hungary, Italy, Luxemburg, Monaco, Norway, Roumania, Sweden, and Switzerland.

The charges for Orders issued in the United Kingdom are as follows :—

(1) Money Order poundage at the ordinary rate for Foreign Money Orders.
(2) A charge for the Telegram of Advice at the ordinary rate for telegrams addressed to the country of payment.
(3) A supplementary fee of 6d. for each Order.

The remitter of an Inland or Foreign Telegraph Money Order is allowed, on paying for the additional words required, to add to the Official Telegram of Advice any short communication which he may wish to send to the payee.

POSTAL ORDERS.

Postal Orders for the following fixed amounts are issued and paid at almost all Post Offices in the United Kingdom.

Amount of Order.	Poundage.
6d., 1s., 1s. 6d., 2s., 2s. 6d.	½d.
3s., 3s. 6d., 4s., 4s. 6d., 5s., 5s. 6d., 6s., 6s. 6d., 7s., 7s. 6d., 8s., 8s. 6d., 9s., 9s. 6d., 10s., 10s. 6d., 11s., 11s. 6d., 12s., 12s. 6d., 13s., 13s. 6d., 14s., 14s. 6d., 15s.	1d.
15s. 6d., 16s., 16s. 6d., 17s., 17s. 6d., 18s., 18s. 6d., 19s., 19s. 6d., 20s., 21s.	1½d.

Broken amounts, but not fractions of a penny, may be made up by the use of British postage stamps not exceeding three in number or fivepence in total value affixed to the face of any one Postal Order in the space provided for the purpose.

British Postal Orders are also issued and paid in—

Aden.
Andaman Islands.
*Antigua.
Ascension.
*Bahamas.
Baluchistan.
*Barbados.
*Bermuda.
Beyrout (British Agency)
*British Central Africa.
*British East Africa.
*British Guiana.
*British Honduras.
Burma.
Bushire.
*Cape Colony.
Cayman Islands.
Ceylon.
Chatham Islands.
Constantinople (British Agency).
Cook Islands.
Cyprus.
*Dominica.
Egypt (including the Soudan).
*Falkland Islands.
Fanning Island.
Federated Malay States.
Fiji.
*Gambia.
*Gibraltar.
*Gold Coast.
*Grenada.
Hong Kong and its Agencies in China.
*India (including the Indian Post Offices in Persia and Tibet).
*Jamaica.
*Lagos.
*Leeward Islands.
*Malta.
Mauritius.
*Montserrat.
*Natal.
*Nevis.
Newfoundland.
*New Zealand.
*Orange River Colony.
Panama (British Agency).
Penrhyn Island.
St. Helena.
*St. Kitts.
*St. Lucia.
*St. Vincent.
Salonica (British Agency).
Savage Island.
Seychelles.
*Sierra Leone.
Smyrna (British Agency).
*Somaliland Protectorate.
*Southern Nigeria (Lagos).
Straits Settlements.
Swaziland.
Tangier.
*Tobago.
*Transvaal
*Trinidad.
*Turks and Caicos Islands.
*Uganda.
*Virgin Islands.
*Zanzibar.

* Postage stamps of countries thus marked, when affixed to British Postal Orders in accordance with the regulations, will be paid up to the value of 5d. (excluding an odd halfpenny).

EXCISE AND STAMP DUTIES, ETC., CHARGED IN THE UNITED KINGDOM.

NOTE.—The following is not a complete list of the duties referred to, but comprises only those duties upon which information is likely to be required by business men.

	£	s.	d.
Agreement, or Memorandum of Agreement, under hand only, not otherwise charged	0	0	6
Alkali Works, Certificate of Registration	5	0	0
Appointment of New Trustee and in execution of a Power of Attorney not being by Will, also on Retirement of Trustee	0	10	0
Apprenticeship Indentures	0	2	6
Armorial Bearings, Annual License—Great Britain	1	1	0
If used on any Carriage—Great Britain	2	2	0
Arms, Grant of, Stamp Duty on	10	0	0
Bankers' Cheques	0	0	1
Bill of Lading	0	0	6
Bills of Exchange and also Promissory Notes not exceeding £5. ..	0	0	1
Exceeding £5, and not exceeding £10	0	0	2
,, £10 ,, ,, £25	0	0	3
,, £25 ,, ,, £50	0	0	6
,, £50 ,, ,, £75	0	0	9
,, £75 ,, ,, £100..	0	1	0
Every additional £100 or part of £100	0	1	0
Bills of Exchange (Foreign drawn and expressed to be payable out of U.K.) exceeding £50 and not exceeding £100	0	0	6
Do. £100; 6d. for every £100 or fractional part of £100			
Capital Duty (Share). Companies and Corporations with Limited Liability, on every £100 of the nominal capital	0	5	0
Carriages and Light Locomotives:			
For every Hackney Carriage (including Motors used as Hackney Carriages, weight unladen not exceeding one ton, or of three tons or upwards)	0	15	0
For every Carriage with four or more wheels, to be drawn or adapted or fitted to be drawn by two or more horses or mules, or to be drawn or propelled by mechanical power	2	2	0
For every Carriage with four or more wheels to be drawn or adapted or fitted to be drawn by one horse or mule only	1	1	0
For every Carriage with less than four wheels (including Motor Bicycles and Motor Tricycles)	0	15	0
For every Light Locomotive exceeding one ton in weight unladen, but not exceeding two tons unladen:			
With four or more wheels	4	4	0
With less than four wheels	2	17	0
Used as a Hackney Carriage	2	17	0
For every Light Locomotive exceeding two tons in weight unladen:			
With four or more wheels	5	5	0
With less than four wheels	3	18	0
Used as a Hackney Carriage	3	18	0
Half the CARRIAGE LICENCE DUTY ONLY charged on Licenses taken out between October 1st and December 31st.			
N.B.—In calculating weight of a vehicle UNLADEN, the weight of water, fuel, or accumulator shall not be included.			
Cheques, or Drafts, payable on demand or to order	0	0	1
Contract Note for the Sale or Purchase of any Stock or Marketable Security of the value of £5 and under £100	0	0	1
Of the value of £100 or upwards	0	1	0
Conveyance or Transfer: Of Bank of England Stock	0	7	9
Of any Colonial Debenture Stock or funded debt for every £100, or fractional part of £100, of nominal amount transferred ..	0	2	6

EXCISE AND STAMP DUTIES, ETC.—*continued.*

	£	s.	d.
Conveyance or Transfer on sale of any property except such stock as aforesaid: Where the purchase money shall not exceed £5 ..	0	0	6
Exceeding £5 and not exceeding £10	0	1	0
,, £10 ,, ,, £15	0	1	6
,, £15 ,, ,, £20	0	2	0
,, £20 ,, ,, £25	0	2	6
For every additional £25 up to £300	0	2	6
If exceeding £300, then for every £50	0	5	0
Of any kind not otherwise charged	0	10	0
Dogs of any kind (annually), Great Britain	0	7	6
Dogs under six months of age, and those kept solely for the purpose of tending sheep or cattle on a farm, or by shepherds or by blind persons for their guidance, are exempt.			
Equitable Mortgage, under hand only: For every £100 or part thereof ..	0	1	0
Gun Licenses (gun or pistol)	0	10	0
Payment is now rigidly enforced, even to the carrying of a revolver. Persons holding game licenses, soldiers, and volunteers are exempt; but the license cannot be transferred to a son or to a servant (U.K. expire July 31st).			
House Duty: On inhabited houses occupied as farmhouse, public-house, coffee-shop, shop, warehouse, &c., of the annual value of £20 and	(in the £)		
not exceeding £40	0	0	2
Exceeding £40 and not exceeding £60	0	0	4
Exceeding £60	0	0	6
Other houses of the annual value of £20 and not exceeding £40..	0	0	3
Exceeding £40 and not exceeding £60	0	0	6
Exceeding £60	0	0	9

Leases: Lease or tack of any dwelling house or part thereof for any definite term not exceeding a year at a rent not exceeding £10 per annum, 1d.; for any definite term less than a year of any furnished dwelling house or apartments where the rent for such term exceeds £25, 2s. 6d.; of any lands, tenements, &c., at a yearly rent:—

Exceeding £	Not Exceeding. £	Not Exceeding 35 Years. £	s.	d.	Between 35 Years and 100 £	s.	d.	Exceeding 100 Years. £	s.	d.
—	5	0	0	6	0	3	0	0	6	0
£5	10	0	1	0	0	6	0	0	12	0
10	15	0	1	6	0	9	0	0	18	0
15	20	0	2	0	0	12	0	1	4	0
20	25	0	2	6	0	15	0	1	10	0
25	50	0	5	0	1	10	0	3	0	0
50	75	0	7	6	2	5	0	4	10	0
75	100	0	10	0	3	0	0	6	0	0
100 for each £50 or fractional part of £50		0	5	0	1	10	0	3	0	0

Agreement for lease not exceeding 35 years same as actual lease.

Letters of Allotment and of Renunciation:
Less than £5, 1d; £5 and upwards, 6d.

Male Servants, Annual License. Great Britain. Every male servant	0	15	0
Motor Car Licenses, *vide* Carriages.			
Passport	0	0	6
Patent (Letters) for Inventions:			
On application for provisional protection	1	0	0
On filing complete specification	3	0	0

EXCISE AND STAMP DUTIES, ETC.—*continued.*

Application for Certificate of Payment of renewal:

Before the expiration of the fourth year from the date of the patent, and in respect of the—

	£	s.	d.		£	s.	d.
5th year	5	0	0	10th year	10	0	0
6th ,, ...	6	0	0	11th ,, ...	11	0	0
7th ,, ...	7	0	0	12th ,, ...	12	0	0
8th ,, ...	8	0	0	13th ,, ...	13	0	0
9th ,, ...	9	0	0	14th ,, ...	14	0	0

Other small fees are also payable of such amount as may be from time to time prescribed by the Board of Trade with the sanction of the Treasury.

Power of Attorney, &c.:

	£	s.	d.
Receiving Prize Money or Wages	0	1	0
For sale, transfer, or acceptance of any of the Government Funds not exceeding £100 (nominal amount)	0	2	6
In any other case	0	10	0
For the Receipt of Dividends or Interest of any Stock, if for one payment only	0	1	0
In any other case	0	5	0
Proxy to vote at a meeting	0	0	1
Power of Attorney of any other kind	0	10	0
Procuration, Deed or other instrument of	0	10	0
Promissory Note. See Bill of Exchange.			
Scrip Certificate, or Scrip	0	0	1
Settlements: Any Deed whereby any definite Sum or Share is settled upon or for the benefit of a person, for every £100 or part of £100 ..	0	5	0
Share Warrant and Stock Certificate to Bearer:			
(1) Of any Company in the U.K. ON ISSUE, per cent. on nominal value	1	10	0
(2) Of any Foreign or Colonial Company on first DELIVERY in U.K., for every £10 or fractional part of £10	0	1	0
Voting Paper or Proxy..	0	0	1

SPOILED STAMPS.

All applications for allowance must be made within two years from the time of spoilage of unexecuted instruments, or within two years of the date of the first execution of others.

CHAMBER OF COMMERCE.

MEMORANDUM OF THE FUNCTIONS PERFORMED BY CHAMBERS OF COMMERCE.

In a work of this description it is quite impossible to give all the information which is from time to time required by merchants, manufacturers, and traders generally. For instance, to present any reliable guide for the consignment of goods by rail or for shipment abroad would require at least two volumes, and if the information then given were to be so minute in character as to cover all classes of transactions, those volumes would each attain to extensive proportions. There is, however, a continuous demand for commercial information, and the object of this memorandum is to show how and where and by whom it can be obtained. There is very little general commercial information which cannot be obtained from or through an active Chamber of Commerce, but its supply is invariably limited to the members of the Chamber, because, after all, a Chamber of Commerce cannot be maintained as a philanthropic organization for the special benefit of non-members who do not subscribe a penny towards the cost of its upkeep.

The functions of a Chamber of Commerce and the kind of information which it can supply will be apparent from the following paragraphs :—

Primary Objects.

The primary object of a Chamber of Commerce is to promote and protect the Home, Colonial, and Foreign Trade and Commerce and the manufactures of the United Kingdom, and, in particular, the trade, commerce, and manufactures of the district in which the Chamber is established. In carrying out this the Chamber considers all questions of importance to such trade, commerce, and manufactures, and acts as an intermediary between the commercial community, the Government, Parliament, and public bodies generally, in all matters affecting their interests, and co-operates with Home and Colonial Chambers in effecting common objects. Questions of party politics are rigidly excluded from its deliberations, but where legislation affecting commercial or industrial interests is proposed by any Government, Local Authority, Corporation or promoter, the Chambers of Commerce never hesitate to oppose it where it is deemed to be inimical to those interests, or conversely to support the passage of such measures as are of recognised advantage—in other words, the Chamber promotes, supports, or opposes legislative or other measures which affect trade and industry. Even then, however, the scope of operations of a Chamber of Commerce is not exhausted; there is a large and ever-increasing number of matters which need watching and representation. The administration of Acts of Parliament by various authorities, Imperial, Municipal, and others, such as Railway Companies, Canal Companies, which require careful consideration and, sometimes, prompt and powerful combined action with the view of preventing injury to commercial or industrial interests. In these cases Chambers of Commerce endeavour to secure the advantage of the trading community by negotiation or by conference with the bodies concerned, and if this does not avail anything then other action may be taken or Parliament may be appealed to to legislate on the matter.

Again, it is not only questions arising at home which come within the purview of the Chamber of Commerce ; the legislation of Foreign and Colonial countries is carefully watched and studied, and Foreign and Colonial Customs Regulations and Tariffs are considered in the light of British interests, and representations on behalf of the latter are made to the British Foreign Office, the Colonial Office, the Board of Trade, the India Office, or other department of the Government within whose scope of action the matter may fall. It would be impossible to give any true idea of the immense advantages secured in this way for British exporters and manufacturers.

Commercial Intelligence.

Another object of a Chamber of Commerce is to collect and disseminate statistical and other information relating to trade, commerce, and manufactures, and generally to assist members by every possible means. Members of a Chamber of Commerce may resort to its offices for :

(1) Statistics and information concerning British trade and industry.
(2) Statistics and information concerning the trade and industry of every part of the world.
(3) Particulars of the Customs Tariffs and Customs Regulations of every country in the world.
(4) Information concerning the Law of Patents, Trade Marks and Designs in the United Kingdom and in Foreign Countries and Colonial Possessions and Independencies.
(5) Advice and assistance in the appointment of agents abroad.
(6) Advice and information in connection with the recovery of debts in Foreign and Colonial Countries.
(7) Advice concerning the shipment of goods.
(8) Advice and assistance in relation to railway rates and conditions of carriage by rail.
(9) Confidential information received from British Consular Officers and Trade Correspondents.
(10) Certificates of Origin.

(11) Regulations concerning Commercial Travellers and their samples.
(12) Assistance in connection with any difficulties experienced in dealing with Foreign and Colonial Customs Authorities as to the classification of goods for duty purposes, and as to the clearing of such goods through the Custom House.
(13) Advice and information in connection with Income Tax and other taxes on trade.
(14) Advice and information respecting Acts of Parliament specially affecting the commercial community.
(15) Advice and assistance in connection with administrative regulations concerning particular trades.

General.

There are other functions performed by Chambers of Commerce such as the advancement of commercial and technical education, and the settlement by arbitration of disputes arising out of trade, commerce, and manufactures ; but the preceding particulars will be a sufficient indication of the scope of their operations. Those interested and desiring further information should apply direct to the Chamber established in their district or to the Secretary, Chamber of Commerce, Winchester House, Victoria Square, Birmingham.

THE INDUSTRIES OF BIRMINGHAM AND DISTRICT.

TO give any satisfactory account of the innumerable industries carried on in Birmingham and the district would require a large volume. In the year 1865 the British Association met in Birmingham, and a powerful committee of gentlemen bearing honoured names in the commercial world was formed for the purpose of compiling a series of reports on the varied manufactures of the great industrial area of which Birmingham is the most important and practically the central town. As a result of the efforts of this influential body, upwards of eighty reports were compiled, making together a thick volume of over seven hundred pages. The editor of this volume was, however, forced to admit that the trades were so numerous and so infinitely various and conducted by so many different persons, that it was impossible to do full justice to all, or even to mention all the names and branches which extended over Birmingham alone.

If this difficulty was experienced forty years ago, how much more difficult must it now be when although new industries have been firmly established only a few pages of space are available. With our limited space, therefore, we do not propose to give more than a mere general enumeration of the trades and industries carried on, and must leave our readers in every part of the globe where the ten thousand copies of this volume will circulate, to consult the advertisement pages and the comprehensive classified list of the trades represented by members of the Birmingham Chamber of Commerce for more detailed information as to the numerous articles of commerce manufactured in the district. These will give some idea of the capacity of Birmingham and the neighbouring towns to supply the markets of the world.

Birmingham itself has been rightly termed the workshop of England ; but Birmingham and district, including the industrial towns of Coventry, Dudley, Walsall, Wednesbury, West Bromwich, and Wolverhampton, and the districts of Atherstone, Bilston, Tipton, Oldbury, Darlaston, Brierley Hill, Cradley Heath, Halesowen, Stourbridge, Stourport, Redditch, and Tamworth, to say nothing of the carpet town of Kidderminster, and the pottery towns of Burslem, Hanley, Newcastle-under-Lyme, and Stoke-on-Trent may justly lay claim to the title of the workshop of the world. There is no industrial area of equal size in the world where the trades are so numerous and withal so complete. Excluding cottons, woollens, and a few other textiles, there are few commodities which cannot be obtained from this great district under the most favourable conditions. Geographically, the district occupies the centre of England, and is within easy reach of the great ports—London, Liverpool, Manchester, Bristol, Hull, Newcastle-on-Tyne, Harwich, Cardiff, Plymouth, and Southampton, whence the great lines of steamers sail for all parts of the globe.

No statistical data are available as to the magnitude of the sea-borne commerce of Birmingham and district apart from the rest of the United Kingdom, but a cursory visit to the various towns and districts previously mentioned, with their ceaseless roar of machinery and traffic, would suffice to inform the most uninterested visitor that he was in an active and progressive industrial centre where every nerve was being strained to increase and improve production ; whilst a visit to the offices of the principal merchants would prove to the enquirer that little of the world remained which had not been travelled in the interests of British commerce.

The products of Birmingham and district are as well known in the markets of Spanish South America as they are on the Continent of Europe ; Egypt is familiar with them, and so are India, China and Japan, Asia Minor, Persia, North, East, West, and Central Africa. Many merchants have concentrated their energies on the great British Colonies to the great benefit of British trade. The position of the merchant is unique. His experience ranges over a large number of different articles—iron and steel, brass, copper, hardware, tools, soft goods, dry goods, and chemicals. He is thoroughly conversant with the tastes and wants of the markets he exploits, and is as familiar as the native with

the complicated requirements of the Customs authorities of the countries with which he trades. His travellers carry with them hundreds of lines of merchandise, and it may be said without exaggeration that there is hardly a want he cannot supply. In the same way there are few wants, with the exception of cottons and woollens, which the works and factories of Birmingham and the district cannot supply The manufacturers are keen to find new outlets for their productions, and will spare no pains to satisfy the taste and wants of their customers. Other nations may have advanced in arts and industries, but the British manufacturer retains and will continue to retain his reputation as the producer of goods of a quality and workmanship which have never been beaten.

We give below a broad and general outline of the nature of the products of the principal towns and districts which have been previously referred to.

BIRMINGHAM.

(Including Aston, Handsworth, King's Norton, Oldbury, and Smethwick.)

In a large city where so many great industries are carried on, it is difficult to give pre-eminence to any one of them. The following rough enumeration will, however, furnish a general idea of the nature of the articles produced : jewellery of every description ; gold, silver, electro-plate and nickel ware ; articles made of German silver, copper, Britannia metal, aluminium, white metal, iron, steel, brass, bone, ivory, and horn ; watches and clocks ; guns, rifles, and pistols ; ammunition, cartridges, and blasting compounds ; glass and glassware ; musical instruments ; dish covers ; door and window furniture and fittings ; galvanized sheets, tanks, buckets, dust-bins and other articles ; pens, needles, pins, hair-pins, and hair curlers ; saddlery, harness, belting, leather pocket-books, purses, braces, belts, boots and shoes ; bridges, girders, lamp columns and iron standards ; cranes, lifts and hoists ; cycles, motor cycles, motor cars, and motor wagons ; minting machinery ; rifle and cartridge machinery; gunpowder and cordite machinery ; general and electrical machinery, including dynamos, electric motors and accessories ; machine tools, lathes, and presses ; heavy edge tools including axes, matchets, forks, spades, and shovels ; automatic machines, weighing machines, weighbridges, scales, weights, measures, and balances ; tin-plate ware ; umbrellas ; vices and anvils ; wire, wire rope and steel cordage ; hurdles, iron gates and fencing ; nuts, bolts, rivets, nails, screws and tacks ; axles, axle springs ; agricultural tools and implements ; carpenters' tools, general hand tools, augers, awl blades, and chisels ; hinges ; horse clippers ; hollow-ware, enamelled ware, hardware, and general ironmongery ; harness furniture ; saddlers', coach, carriage, and builders' ironmongery ; furniture and cabinet and basket ware ; steam, gas, oil and spirit engines ; tubes, pipes, and fittings ; bedsteads, beds, and wire mattresses ; gas, sanitary, and hot air and water fittings and appliances ; garden syringes and tools ; lamps and lamp fittings ; whips and whip mounts ; church bells and bell foundry ; india-rubber goods, cycle and motor car tyres ; medals, coins, dies, seals, copying and perforating presses ; fenders, ash pans, fire-screens and fireirons ; files and rasps ; handcuffs ; swords and lances ; fancy goods ; stationers' sundries ; steam boilers ; smiths' hearths and bellows ; advertising tablets, name plates, letter boxes, etc. ; shop and window fittings ; chemicals, oils, paints, lacquers, and varnishes ; pumps, pulleys, shipping tackle ; gas and oil stoves, grates and ranges ; cordage, rope and twine ; railway carriages and wagons ; locks and keys ; military and naval ornaments ; paper ; perambulators, invalid carriages and bath chairs ; billiard tables and equipment ; art metal work ; artificial eyes, limbs, and teeth ; gas and electric fittings and apparatus, chandeliers, gasoliers, etc. ; gas and electric meters ; electric carbon candles ; cycle and carriage lamps ; acetylene gas apparatus ; photographic apparatus and supplies ; barometers, thermometers, compasses, mathematical and surgical instruments ; ventilators, fire-proof safes and fire brigade appliances.

This list, not by any means complete, has been only roughly compiled, but will serve to convey an approximate idea of the innumerable and varied industries carried on in Birmingham.

BUILDERS' EXCHANGE AND PERMANENT EXHIBITION.

This Institution is a centre for business in every form. Visitors to Birmingham can make it their headquarters for transacting their business and correspondence. The Institution is equipped with telephones, post office directories, manufacturers' catalogues and exhibits, club accommodation and everything required by a busy man, for it is a time and trouble saver. The club accommodation is for all kinds of refreshments and games, including billiards.

There is an information bureau, where not only details of Birmingham manufactures can be obtained, but in the exhibition halls there is a large collection of manufactures. The organization is most complete in respect of all the allied trades.

COVENTRY.

The principal trades now carried on in Coventry are the manufacture of watches, bicycles, tricycles, motor cycles, motor cars, and sewing machines; but besides these there are large ironfoundries, machinery works, and considerable manufactures of upholsterers' trimmings, hat bands, silk ribbons, and other articles of a similar character.

DUDLEY.

The leading industries of Dudley are the manufacture of iron and iron goods, including hurdles, gates, and fencing, buckets, fireirons, nails, and tools. There is also here one of the largest sausage manufactories in the world.

WALSALL.

Walsall is famous for its manufactures of saddlery and harness. These form the staple trades, but there are several other industries intimately connected with them, such as leather tanning and currying, and the manufacture of bridle bits, buckles, brushes, cart gear, chains, horse shoes, hames, carriage lamps, spurs, stirrups and whips; there are also large ironfoundries, galvanizing works, and tube works.

WEDNESBURY.

Wednesbury is principally engaged in the manufacture of many articles of iron and steel, including iron rails, plates, Bessemer steel, axle trees, steel springs, steel tubes, coach iron work, tubes, pipes and fittings for gas, steam, and water purposes, bedstead tubes, pulleys, lamp columns, and iron standards.

WEST BROMWICH.

The manufacture of iron and iron ware is carried on extensively in West Bromwich. The industries include the manufacture of locks, bolts, heavy castings, hardware, hollow-ware, safes, tubes, etc., and bricks and tiles.

WOLVERHAMPTON.

Wolverhampton is one of the chief seats of the South Staffordshire iron industry. Among the numerous industries carried on the following may be enumerated: brass foundry, cycles, electrical and general engineering work, galvanized and corrugated iron, hollow-ware, fencing, japanned ware, locks and keys, rope and twine, safes, tinplate ware, and varnishes.

ATHERSTONE.

The staple industry of Atherstone is the manufacture of felt hats.

BILSTON.

Bilston is the seat of large ironfoundries and works, brassfoundries, nail and screw works, and manufactures of japanned ware, tin ware, bells and hollow-ware.

BRIERLEY HILL.

The manufactures of Brierley Hill include iron fencing, chains, cables, anchors, fire-bricks and glass.

CRADLEY HEATH.

Cradley Heath is noted for its chains, anchors, and shipping tackle. Nails and locks are also manufactured there.

HALESOWEN.

The articles manufactured at Halesowen include bone and horn buttons, nuts and bolts, rivets, hooks, nails, gun barrels, and heavy iron and steel forgings.

REDDITCH.

The staple industry of Redditch is the manufacture of needles of every description, fish hooks and fishing tackle. Cycles are also manufactured there.

STOURBRIDGE.

Among the manufactures of Stourbridge are galvanized and corrugated iron and iron ware, spades, shovels, fire-bricks, agricultural implements, and glass and glass ware.

TAMWORTH.

The industries of Tamworth include the manufacture of earthenware and stoneware and terra cotta.

TIPTON.

In Tipton the manufacture of bricks, nails, chains, anchors, fireirons, and general iron work.

. . . . . .

In some future issue of this work an attempt will be made to give a more detailed description of the articles manufactured in the district which has been thus briefly and roughly enumerated. Sufficient has been said to show the wide and comprehensive character of the manufactures carried on, and the information given in this article may readily be supplemented by a reference to the Classified Trade Index of the Members of the Birmingham Chamber of Commerce.

TRADE INDEX

OF THE

MEMBERS OF THE

BIRMINGHAM CHAMBER OF COMMERCE.

Second Year of Issue.

COPIES OF THIS BOOK HAVE BEEN SENT TO

THE ENGLISH AND COLONIAL CHAMBERS OF COMMERCE;

THE FOREIGN CHAMBERS OF COMMERCE;

THE BOARDS OF TRADE IN CANADA;

THE BRITISH CONSULS AND CONSULAR AGENTS;

THE BRITISH AMBASSADORS;

THE PRINCIPAL TOWN CLERKS OF ENGLAND;

900 MEMBERS OF THE BIRMINGHAM CHAMBER OF COMMERCE;

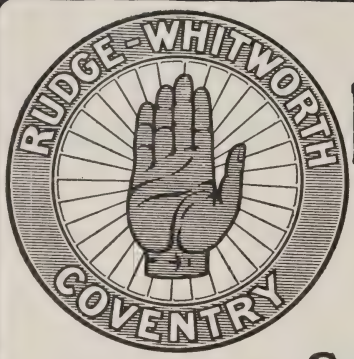
1,000 CLUBS (HOME AND FOREIGN);

2,000 MERCHANTS, OTHER THAN MEMBERS OF THE CHAMBER;

AND TO OTHER ADDRESSES.

Note:—Firms desirous of securing space for trade announcements in future editions of this book should communicate with the Secretary, Chamber of Commerce, Birmingham; or with the Printers and Publishers (Messrs. Bemrose & Sons Ltd., Derby).

BICYCLES



RUDGE-WHITWORTH

By SPECIAL APPOINTMENT to
H.M. KING EDWARD
AND
H.R.H. The PRINCE OF WALES.

SPECIALITIES:

Strict interchangeability of parts.
Lightest but strongest construction.
All materials tested in laboratory.
Unwearable Tool Steel Bearings.
Two-speed and three-speed gears.
All-steel frames; no castings.
Perfect free wheels and brakes.
Special bicycles for bad weather.
Common-sense Prices.
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The NEW CATALOGUE gives full details, illustrations, and prices of 84 patterns at prices from £5 to £15, post free on application to

RUDGE-WHITWORTH Ltd., Dept. 162, COVENTRY.

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TRADE INDEX,

BEING A

CLASSIFIED LIST OF THE MEMBERS

OF THE

Birmingham Chamber of Commerce

(Incorporated).

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
ACID MANUFACTURERS.					
CHANCE & HUNT, LTD. .. .. .. Sulphuric Acid, Oil of Vitriol, Muriatic Acid.	Oldbury, near Birmingham ..	5 & 9	"Chemicals" ..	A B C, Liebers	196
ADVERTISING NOVELTIES.					
BUNCHER & HASELER .. .. .. Ash Trays, Cigarette Cases, Calendars, Match Boxes, Metal Show Cards, etc.	Branston Street, Birmingham	308 Jewellers	"Buncher" ..	A B C, 5th Ed.	275
AFRICAN ARM AND LEG RINGS.					
C. F. GRIMMETT & Co. .. .. .. All kinds for native trade, Kaffir Snuff Boxes, Brass Washers, Indian Bangles.	113, Newhall Street	4792	—	—	188
AGENTS (Manufacturers').					
ALBERT G. ANDREWS	6, Cherry St., Birmingham ..	—	—	—	—
A. H. BURGESS (Pearson & Knowles Coal and Iron Co., Ltd.)	7, Midland Buildings, New Street, Birmingham ..	—	"Iron"	—	—
T. H. STARKEY	Rosebery Buildings, John Bright St., Birmingham ..	883	"Starkey" ..	A B C, 4th Ed.	—
N. L. STIERNET & CO.	99, Corporation St., Birmingham	18x	"Belgica" ..	—	—
M. O. SUFFIELD	76, Newhall St., Birmingham	906	"Donjon" ..	A B C, 4th Ed.	—
GEO. WINNALL	200, Newhall St., Birmingham	704 & 2228	"Roscommon"	—	—
AGENT (Metal).					
W. C. M. JAMES	90 & 91, Exchange Buildings, Birmingham	2190	"Hematite" ..	A B C	—
AIR RIFLE MAKERS.					
C. G. BONEHILL .. .. Sole Manufacturer of the **"BRITANNIA"** Air Rifle. Most powerful air rifle made.	Belmont Firearms and Gun Barrel Works, Belmont Row, Birmingham	258x	"Bonehill" ..	A B C, 4th Ed.	Page 3 of cover.
ALUMINIUM GOODS.					
BUNCHER & HASELER .. .. .. Cigarette Cases, Match Boxes, Photo Frames, Calendars, and General Fancy Metal Goods.	Branston Street, Birmingham	308 Jewellers	"Buncher" ..	A B C, 5th Ed.	275
AMMONIA DISTILLERS.					
BROTHERTON & CO., LTD.	Nechell's Chemical Works, Birmingham	Aston 224	"Brotherton"	—	230

Henry Griffith & Sons,

. . LIMITED,

MANUFACTURING JEWELLERS.

Diamond Work.

Gem and Signet Rings.

15-ct. Gold Jewellery.

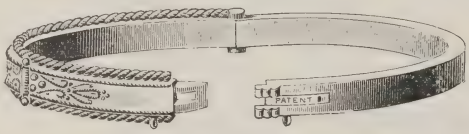
Gold and Silver Pencil Cases.

Gold and Silver Thimbles.

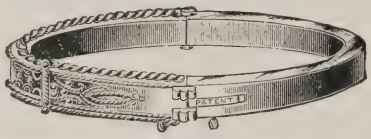
Patentees and Sole Manufacturers of the **PATENT BOLT SNAP**

For Bracelets or anything requiring a Perfect Snap.

A Safe Bracelet with no fear of losing and no need of safety chain.



Bracelet Snap open.



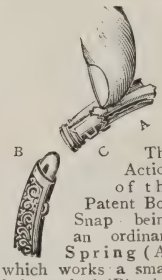
Bracelet Snap closed.

SECTIONAL DRAWING.

Showing how easily the Patent Bolt Snap Bracelet is taken off.

Showing Padlock (fitted with Patent Bolt snap) closed.

Showing Padlock open.



The Action of the Patent Bolt Snap being an ordinary Spring (A) which works a small bolt marked (B), this bolt is easily moved by pressure upon Spring (C), and Bracelet opens easily.

BRACELETS in 9-ct. and 15-ct. Gold.

—— All fitted with Patent Snaps. ——

Always in stock in large quantities and varied :: :: :: :: patterns. :: :: :: ::

131, Warstone Lane, Birmingham.

Telegrams: "JEWELLERS, Birmingham." **Telephone No. 2102.**

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
AMMUNITION MANUFACTURERS.					
BIRMINGHAM METAL & AMMUNITIONS CO., LTD., THE	Adderley Road, Birmingham	41 East	"Ammunition"	A B C, 5th Ed.	170
ELEY BROS., LTD.	29 & 30, Whittall St., Birmingham	852	"Eley's" ..	—	—
KINGS NORTON METAL CO., LTD. .. Ammunition for Small Arms, Quick-firing, and other Guns.	Kings Norton, near Birmingham	—	"Metal," Kings Norton	—	224
KYNOCH, LTD.	Lion Works, Witton, near Birmingham	2559	"Kynoch" ..	—	—
ANALYST AND CONSULTING ENGINEER.					
T. VAUGHAN HUGHES	130, Edmund Street, Birmingham	5137	—	—	—
ANVIL AND VICE MANUFACTURERS.					
JOHN POWELL, LTD.	Oxford Street, Birmingham	272	"Powell" ..	—	—
ARCHITECTURAL METAL WORKERS.					
SPITAL & CLARK	Newhall Hill, Birmingham	2969	"Pendlux" ..	A B C, 5th Ed.	—
ARMS AND AMMUNITION.					
WESTLEY RICHARDS & CO., LTD. .. Arms and Ammunition for Shooting, Target, and Military Purposes, of all types.	178, New Bond St., London	3921 Gerra'd	"Hammerless," London ..	A B C	Page 2 of cover.
	12, Corporation Street, Birmingham	—	"Deeley," Birmingham	A B C	
	Manufactory, Bournbrook, Birmingham	—	"Detachable," Birmingham	A B C	
ART METAL TRADES.					
ISAAC CLEMENTS .. .. Stamped Leaves, Busks, etc.	32 & 36, Holloway Head, Birmingham	1805	"Cadence" ..	—	269
J. W. EVANS .. .. Stamper and Piercer for all kinds of Art Metal Stampings, for Silversmiths, Electro-plate and Fancy Art Metal Trades.	54 & 55, Albion Street, Birmingham	4075	"Designer" ..	—	—
ART METAL WORKERS.					
EDWARDS BROS.	Excelsior Works, Sampson Rd., North Birmingham	548	"Zone"	—	—
JOSEPH SANKEY & SONS, LTD. .. Also Manufacturers of Wrought-Iron Holloware, Frying Pans, etc.	Albert Street Works, Bilston	5	"Sankey" ..	—	226
EDWIN SHOWELL & SONS, LTD. .. Also General Brassfounders and Manufacturers of Door and Window Fastenings, Panic Bolts, etc.	Stirchley, Birmingham ..	95 Birm.	"Showell" ..	—	281
C. J. THURSFIELD & CO.	Clement Street, Birmingham	05067	"Electrolier"	A B C	271
ASBESTOS TOBACCO PIPES (The Original).					
JACKSON ASBESTOS MANUFACTURING COMPANY, THE .. .. The Original Patentees and Sole Manufacturers of Jackson's Patent Real Asbestos Pipes.	Asbestos Works, Jenkins St., Birmingham	—	—	—	232
ASHPAN MANUFACTURERS.					
ADDICOTT & HOLLAND .. .. .. All Brass, Black and Brass, Black and Copper, also Ashpan Fronts, Fire Brasses, Fire Dogs, &c.	58 & 59, Staniforth St., Birmingham, and at London and Glasgow	1678	—	—	194
AUTOMATIC MACHINERY.					
Cold Process Bolt and Nut Machin- **GEORGE H. ALEXANDER** .. .. .. cry; Thread Rolling; Automatic Turret Machinery.	Doe Street, Birmingham ..	1918	"Viking" ..	A B C Lieber's and New Directory	136

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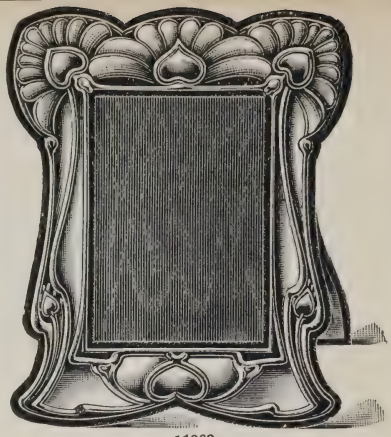
ALL GOODS ARE OF OUR OWN MANUFACTURE.



11062.

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10840.

11601.

5400.

12763.

TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
AUTOMOBILE CHAIN MANUFACTURERS.					
COVENTRY CHAIN CO., LTD. .. .. Chains for every make of Chain-driven Car and Wheels for same.	Coventry	290	"Chains" ..	Lieber's	142
AVIARIES AND AQUARIUMS MANUFACTURERS.					
KOBABE & KUPHAL .. .. Made to any design and any size.	Summer Row, Birmingham	—	—	—	266
AXLE-TREE MAKERS.					
AUSTER, LTD.	Crown Works, Barford St., Birmingham	1695	"Auster" ..	—	—
BABY LINEN MANUFACTURERS.					
B. F. WILLIAMS, LTD.	90, Belmont Row, Birmingham	4328	—	—	—
BAKERS' OVEN TUBES MANUFACTURERS.					
JOHN BROTHERTON, LTD. Manufacturers of Tubes and Fittings, all sizes.	Imperial Tube Works, Wolverhampton	22 & 51	"Imperial" ..	—	230
BANKS.					
LLOYDS BANK LIMITED	Head Office: Colmore Row, Birmingham	127	"Bullion" ..	—	—
LONDON CITY & MIDLAND BANK LTD.	New Street, Birmingham ..	35	"Birmid" ..	—	—
METROPOLITAN BANK (of ENGLAND and WALES) LTD.	Bennett's Hill, Birmingham.	1715	"Waterloo" ..	—	—
NATIONAL PROVINCIAL BANK OF ENGLAND LTD.	Bennett's Hill, Birmingham.	568	"Natproban"	—	—
PARR'S BANK, LTD.	Bennett's Hill, Birmingham.	4995	—	—	—
UNITED COUNTIES BANK, LTD. ..	63, Colmore Row, Birmingham	4841	"Sixty-three"	—	—
BAR FITTERS.					
E. COANEY & CO.	Dale End, Birmingham ..	1192	"Coaney" ..	—	—
BAR IRON AND COACH AXLE MANUFACTURERS.					
LONES, VERNON & HOLDEN, LTD. ..	Smethwick	11	"Lones"	A B C, 1st Ed.	—
BASKET AND HAMPER MANUFACTURERS.					
J. J. PLATER & SONS	262-4, Bradford St., Birmingham	1169	"Wicker" ..	—	—
BATHS AND LAVATORY.					
CHAS. WINN & CO.	St. Thomas Works, Granville Street, Birmingham.. ..	366	"Winn" ..	—	—
BEAD MANUFACTURERS.					
CHAS. WESTWOOD & SONS .. .. Large Stock of Gold and Silver Beads always on hand.	14, Hall Street, Birmingham..	Jewellers 14	—	—	174
BEDDING AND MATTRESS MANUFACTURERS.					
GEORGE LANE & SONS .. .. .. Woven Wire and Chain Spring Mattresses, Combination Spring Bedsteads, Wood Bedsteads, Bedding of every description.	Sterling Works, Brueton St., Birmingham	1198	"Bedding" ..	A B C. 5th Edition	212
A. C. NEAL & SON	Viaduct Works, Oxford St., Birmingham	316	—	—	—

Eagle Works, HOSPITAL STREET,
BIRMINGHAM.

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KERB SUITES

London
Show-Room:
24-26, HOLBORN.

Sole Makers
of Patent
Adjustable
Ash Guards

TRY O PATENT COMBINATION SUITES.

Up-to-date
Designs.

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Doe Street, BIRMINGHAM.

AUTOMATIC & LABOUR SAVING MACHINERY.

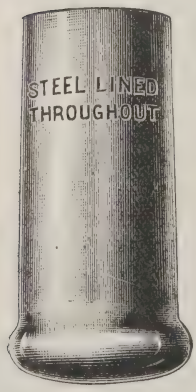
Complete plants for Cold Process Bolts, Nuts and Screws, Automatic Turret Lathes, Gear Cutters, Millers, Drillers, Shapers and Planers, Continuous Wire Drawing Machines, Rod Mills, Tube Mills, Hinge and Cartridge Plants, Automatic Annealing Furnaces, and — Automatic Non-Oxidising Furnaces for non-ferrous metals. — Single and Double Acting Power Presses, Cut and Carry and Multi-Spindle Power Presses.

Telegrams: "Thimbles, Birmingham."

THOMAS JOHNSON & SONS,

National Telephone

Whitehouse Street, Aston, BIRMINGHAM.



Manufacturers of THIMBLES *in*
Brass, Steel, Electro Silver, Aluminium, &c.
And WHIP MOUNTS *in*
Polished Brass, Nickel-Plate, &c.
THROUGH MERCHANTS ONLY.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
BEDSTEAD MANUFACTURERS.					
BRIERLEY & SONS .. .. Iron and Brass Bedsteads, Cots, etc., for all markets.	Essington Works, Sheepcote St., Birmingham	1417	"Brierley's" Birmingham	—	180
J. & H. BROOKES	Cape Works, nr. Birmingham	48 Smethwick	"Emerald" ..	—	—
CHARLES BRYANT	Bryant Street, Birmingham	4582	"Bryant" ..	—	—
CHARLES CARTWRIGHT & SONS, LTD.	Hertford St., Balsall Heath, Birmingham	983	"Oakbourne"	A B C.	—
CROSBIE, MARRINER & CO., LTD. ..	Charlotte St., Birmingham ..	1947	"Extended" ..	—	—
FITTER BROTHERS .. .. French, Four-post, Half-tester, Italian, Tent and Canopy Bedsteads for all markets.	Bedford Bedstead Works, 88, Pritchett St., Birmingham	2256	"Combination"	—	156
GEO. GALE & SONS, LIMITED .. .. Combination Spring Bedsteads for all markets. Speciality—"Lawson Tait" Bedsteads.	Dominion Works, Birmingham	1333	"Dominion"	—	Back cover.
HOOPER & EDMAN	Spring Hill Foundry, Birmingham	2289	"Edman" ..	—	—
HOSKINS & SEWELL, LTD.	Bordesley, Birmingham ..	347	"Hoskins" ..	A B C, 5th Ed.	—
JOHN HOYLAND, LTD.	Western Road, Birmingham	2267	"Hoyland" ..	—	—
JEFFERIES & HOADLY .. .. .. Brass and Iron Bedsteads for all markets.	London Bedstead Works, Aston, Birmingham	East 70	"Hoadly" ..	—	152
MIDDLETON'S BEDSTEAD CO., LTD. ..	Rolfe Street, Smethwick ..	62 Smethwick	"Middleton," Smethwick	A B C, 5th Ed.	—
THOS. PERRY & SONS, LTD.	Highfields Works, Bilston ..	27	"Perry" ..	—	—
PEYTON & PEYTON, LTD.	Bordesley Works, Birmingham	661	"Peytons" ..	A B C, 5th Ed.	—
ALBERT PHILLIPS, LTD.	Eyre Street, Spring Hill, Birmingham	723	"Phillips" ..	A B C, 4th & 5th Eds.	—
PHILLIPS & SON	Speedwell Works, Sherbourne St., Birmingham	681	"Phillipson"	A B C, and Leiber's	—
JOHN & JOSEPH TAUNTON, LTD. .. Manufacturers of every description; also Cots, Folders and Chairs for all markets.	Sherbourne Road, Balsall Heath, Birmingham	1727	"Sure"	A B C.	262
JOHN TROMAN, LTD.	Colmore Works, Bolton St., Birmingham	592	"Troman" ..	—	—
WHITFIELD'S BEDSTEADS, LTD.	Watery Lane, Birmingham ..	694	"Bedsteads"	—	—
BEDSTEAD AND FENDER TUBES.					
J. & J. BENT .. .. Also Manufacturers of Mounts for Bedsteads and Fenders.	Freeman Street, Birmingham	1739	—	—	214
BEDSTEAD ORNAMENT MANUFACTURERS.					
F. & R. CLEWS, LTD.	Moland Street, Birmingham	2168	—	—	—
H. DERRICOTT .. .. Bedstead Vases, Mounts, Rail Knobs, Fender Supports, etc.	Penn Street, Belmont Row, Birmingham	1924	—	—	282
THOMAS HILL .. .. Bedstead Vases, Mounts, Rings, Spindles, etc., also Fender and Dog Supports.	Hampton St., Birmingham ..	2953	"Knobs" ..	—	—
SANDERS, SON & PAYNE, LTD. .. Cast and Stamped Ornaments for all markets.	Leopold Street, Birmingham	04977	"Furniture"	—	259
W. H. & G. WALKER & CO. .. .. Vases, Top Mounts, Husks, Middles, Spindles, Rings, Rod Ends, Rail Knobs, Rosettes, etc.	154, 156, 158 & 160, Angelina Street, Birmingham	1265	"Patching" ..	—	286
BEDSTEAD PLANT MANUFACTURERS.					
T. NORTON & CO. .. .. Manufacturers of Chill Stocks, Patterns, Frames, etc., also Fly Prisms, etc.	28, Carver St., Birmingham	6 x Central	—	—	291

A SMALL SELECTION OF THE PRODUCTS OF

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Criterion Works . . . . Gt. Charles Street,

BIRMINGHAM.

Expert Workers in Leather for General Requirements and Specialists in Accessories applicable to the Motoring and Cycling World.

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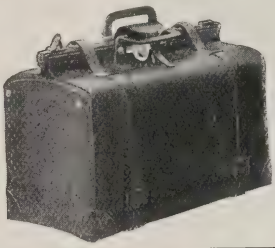
embrace a fine series of best leather articles—from a Purse to a Luncheon Case. Three selections illustrated are Kit Bag, Gent's Dressing Wallet, Gladstone Bag. Write for Catalogue.



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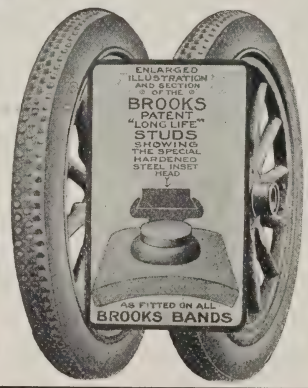
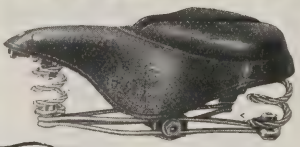


The Circular Bag (which fits inside Spare Tyre) and Grid Trunk here illustrated form two of many Auto-Specialities. Write for full Catalogue of these.

BROOKS WELL-KNOWN CYCLE SADDLES



are universally recognised as the *Standard* Saddles. They stand unapproached for comfort, style and quality. They are made in a wide range covering every reasonable requirement as to purpose & price. Ask for the Saddle Manual.

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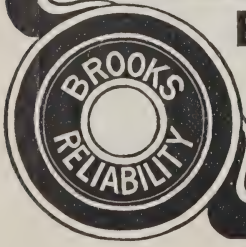

to be of British Manufacture. Made from reliable material and designed and finished in the best manner to ensure the maximum of comfort and convenience. BROOKS goods are ready sellers and give utmost satisfaction to seller and buyer.

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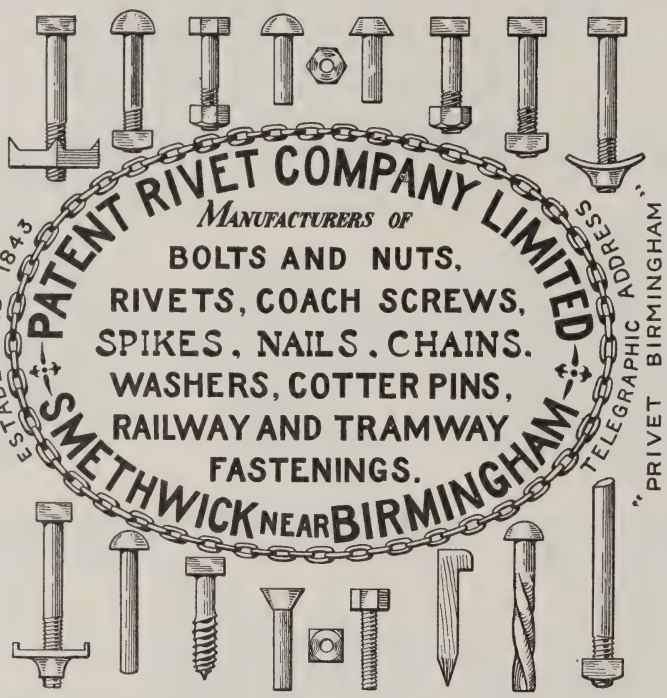
TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
BEER ENGINE MANUFACTURERS.					
GASKELL & CHAMBERS, LTD. .. .. (Incorporated with Yates & Greenways.) Beer, Wine and Spirit Taps, Cork Drawers and Bar Fittings.	50-52, Dale End, Birmingham	640	"Gaskells" ..	—	146
SAMUEL MASON, LTD.	Dale End, Birmingham ..	229	"Masonoid"	—	—
F. WHITFIELD & CO.	Oxford Street, Birmingham	641	"Safes" ..	—	—
BELLFOUNDERS.					
JAMES BARWELL, LTD.	40, Great Hampton Street, Birmingham	2255	"Barbells" ..	—	—
BELL MANUFACTURERS.					
A. DE COURCY & CO. .. .. Bell Metal, Dinner, Tea, Office, Call, etc.	Frankfort St., Birmingham..	184 x	—	—	266
GABRIEL & CO. .. .. All kinds of Mechanical and Electrical Bells for Mining purposes and general use.	4 & 5, A.B. Row, Birmingham	1223	"Gabriel" ..	—	285
BELTING MANUFACTURERS.					
BIRMINGHAM BELTING CO., LTD. ..	"Crown Buildings," 66, Steelhouse Lane, Birmingham	1538	"Belted" ..	—	—
BEVELLED AND SILVERED PLATE GLASS.					
WILLIAM PEARCE, LTD. .. .. .. Also Ecclesiastical Stained and Leaded Glass, Looking Glasses, Mirrors, Dressers, etc., etc.	Bridge Street, Broad Street, Birmingham	371	"Glass" ..	A B C, 4th & 5th Eds.	292
BICYCLE MANUFACTURERS.					
THE "NEW HUDSON" CYCLE CO., LD. Contractors to H.M. Government. Annual output of complete Bicycles 45,000 machines.	Parade Works, Summerhill Street, Birmingham.. ..	2323	"Wonder" ..	A B C, 5th Ed.	—
BICYCLE CLUTCH MANUFACTURERS.					
"PERFECTA" CLUTCH CO. .. .. Manufacturers of Free-Wheel Clutches for Cycles and Motor Cycles.	Sterling Works, Spon Street, Coventry	362	"Perfecta" ..	—	142
BILLIARD TABLE MANUFACTURERS.					
THOS. PADMORE & SONS	118, Edmund Street, Birmingham	1941	"Billiards" ..	—	—
BIRD CAGE MANUFACTURERS.					
A. STOKES & CO. .. .. Speciality—Brass and other cages nested for export. See special export catalogue.	Legge Street, Birmingham..	359x	"Cages" ..	—	—
BLOW LAMP MANUFACTURERS.					
BURRIDGE & CO.	Floodgate St., Birmingham	4155	—	—	—
BOILER MAKERS.					
EDWIN DANKS & Co. (Oldbury), Limited	Oldbury	18	"Boiler" ..	—	—
BOILER SOLUTIONS.					
EFFECTIVE BOILER SOLUTION CO., THE	Northfield, Worcestershire ..	—	—	—	—
BOILER TUBES.					
BIRMINGHAM BATTERY & METAL CO., LTD. .. .. Brass and Copper for Locomotive Boilers, Condensers, Steam, Gas, etc	Selly Oak, Birmingham ..	Selly Oak 51 & 52	"Battery," Selly Oak	A B C. A 1.	164

CONTRACTORS TO H.M. ADMIRALTY DEPARTMENT, AND H.M. WAR OFFICE, AND ALL THE PRINCIPAL RAILWAY COMPANIES AND DOCKYARDS.

Telephone Numbers:
CROWN WORKS: 16, SMETHWICK.
ANCHOR WORKS: 112, SMETHWICK.



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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
BOLT & NUT MANUFACTURERS.					
F. W. COTTERILL, LTD.	Atlas Works, Darlaston ..	13	"Cotterills"..	—	—
GUEST, KEEN & NETTLEFOLDS, LTD.	London Works, Smethwick	8	"Globe" ..	—	—
MASON BROS. .. .. Bolts, Nuts, Screws, etc., for Range and Stove Makers. Galvanized Bolts, Nuts, Washers, etc.	64 & 66, Stanhope St., Birmingham	2348	—	—	230
PATENT RIVET COMPANY LIMITED .. Bolts and Nuts, Coach Screws, Set Screws, Spikes, Washers, iron or steel.	Crown Works, Smethwick ..	16	"Privet" ..	A B C, 5th Ed.	140
HERBERT W. PERIAM, LTD. .. .. Engineers' Bolts, Builders' Bolts, Bolt Ends, Coach Bolts, Spout Bolts, Roofing Bolts.	Floodgate St. Works, Birmingham	373	"Floodgate	—	291
PORTLAND BOLT & NUT CO., LTD. ..	Brookfields, Birmingham ..	2193	"Portland"..	—	—
BOLT & SCREW MANUFACTURERS.					
BAXTER'S BOLT, SCREW & RIVET WORKS	78, Parade, Birmingham ..	2036	"Makers" ..	—	—
BOOKLET COVERS.					
BEMROSE & SONS LTD. .. .. .. Artistic Designs prepared for any Trade.	Midland Place, Derby	215	"Bemrose" ..	—	238
BOOKSELLER AND STATIONER.					
C. COMBRIDGE	4 & 5, New St., Birmingham	1030	—	—	—
BOOT MANUFACTURER.					
WILLIAM SHILLCOCK .. .. .. Inventor and Sole Manufacturer of the McGregor Football Boot and Football.	Newtown Row, Birmingham	4416	"Football" ..	A B C, 5th Ed.	234
BOOT AND SHOE RIVET MANUFACTURER.					
WM. COOK .. .. Brass and Iron Shoe Rivets, Tingles, Bills, Heel Pins, etc.	Porchester Works, Aston, Birmingham	72 N'the'n	"Champion"	—	176
BOOT PROTECTOR MANUFACTURERS.					
HEELEY AND PEART	75 to 81, Vittoria Street, Birmingham	2343	"Hobnail" ..	—	—
BOX (Cardboard) MANUFACTURERS.					
J. B. DYSON & SON	16 & 17, New Bartholomew St., Birmingham	1292	"Receptacle"	—	—
BRACE AND BELT FITTINGS MANUFACTURERS.					
W. H. & C. WALKER & Co. .. .. Buckles, Cord Fittings, Clasps, Snake Furniture, Metal Belts, Fittings for Eastern Market.	154, 156, 158 & 160, Angelina St. Birmingham	1265	"Patching" ..	—	286
BRASS AND COPPER RIVETS AND WIRE.					
BIRMINGHAM METAL & MUNITIONS CO., LTD., THE	Adderley Road, Birmingham	41 East	"Ammunition"	A B C, 5th Ed.	170
BRASS COCK FOUNDERS.					
JOSEPH BREEDON & CO., LTD. ..	Fazeley Street, Birmingham	1549	"Breedon" ..	—	—
SHEPPARD, PETTIGREW & CO. ..	Scotia Works, Garrison Lane, Birmingham	53 Small Heath	"Ability" ..	—	—
JOHN S. WALFORD	62 & 63, Hampton Street, Birmingham	1587	"Paragon" ..	—	—

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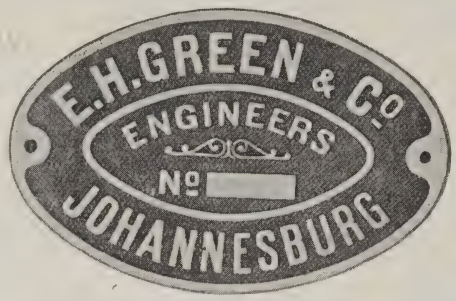

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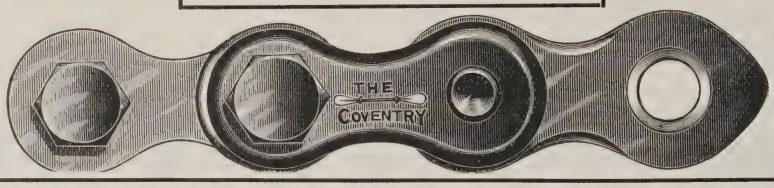

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The Clutch with the Perfect Pawl Action.

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"Perfecta" Clutch Co., Coventry,

England.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
BRASS DOOR BOLTS.					
EDWIN SHOWELL & SONS, LTD. .. Manufacturers of Briggs' Patent Panic Bolt, Window and Door Fastenings & General Brassfoundry	Stirchley, Birmingham ..	95 B'ham	"Showell" ..	—	281
BRASSFOUNDERS.					
BAILEY & MACKEY	Durable Works, Gt. Hampton Row, Birmingham	2420	"Durable" ..	—	—
FRANK BAKER .. .. Die Sinker, Tool Maker & Stamper. Speciality: Lettered Goods.	28 & 29, St. Paul's Square, Birmingham	2893	"Naming" ..	—	142
J. & J. BENT .. .. Stampers and Piercers. Bedstead and Fender Mounts and Cased Tubes.	Freeman St., Birmingham	1739	—	—	214
EDWARD BIBB & SONS .. .. .. Cornice Poles, Ends, Rings, and Brackets, Curtain Chains, Stair Rods and Eyes, Tassel Hooks, Cabinet Handles, General Brassfoundry.	Windmill Street, Birmingham	1536 Cen.	"Bibb," B'ham	A B C, 5th Ed.	—
BODILL PARKER & CO., LTD.	35 and 36, Great Hampton Row, Birmingham ..	2260	"Bodills" ..	—	—
HENRY BOUCHER	Bishopsgate St., Birmingham	4170	—		
W. H. BRISCOE & CO. .. .. .. Stampers and Piercers to the Cycle, Electrical, Chandelier and Motor Trade.	32 & 33, Cox Street, St. Paul's Square, Birmingham ..	1346 Cen.	"Brisk"	—	146
J. B. BRUCE .. .. Also Manufacturer of Chandeliers and Shop and Office Fitter.	Havelock Works, Ernest St., Birmingham	892	"Bruces" ..	—	—
JAMES CARTLAND & SON, LTD. .. Every description of Cabinet, Builders', Furnishing and Naval Brass Foundry.	Birmingham	94 & 5200	"Cartlands"	A B C, 4th & 5th Eds.	272
	57, Holborn Viaduct, London, E.C.	1865 Holborn.	"Cartlands"		
JAMES CLEWS & SONS, LTD.	195, Aston Rd., Birmingham	4659	—	—	—
JAMES COLLINS .. .. Manufacturer of Best Cast Brassfoundry. Patentee and Original Maker of "Arrow" Butts.	Cumberland St., Birmingham	720	"Cumberland"	A B C	262
T. CROSBEE & SONS	Apollo Works, Moseley Street, Birmingham	1179	"Apollo" ..	—	—
CURRIE & WARNER .. .. Every description of Builders' and General Brassfoundry. Speciality: Fittings for Metal Casements.	Summer Hill Works, Powell St., Birmingham	1539	—	—	280
H. DERRICOTT .. .. Bedstead Mounts, Rail Knobs, Rosettes, Fender Supports.	Penn Street, Belmont Row, Birmingham	1924	—	—	282
HENRY H. ELLAWAY	48 to 52, Lombard Street, Birmingham	1399	—	—	—
FAULKNER, STARLING & CO.	Omar Works, Clement Street, Birmingham	—	"Mortise" ..	—	—
GABRIEL & CO. .. .. All kinds of Cabinet and General Brassfoundry.	45, A B Row, Birmingham	1223	"Gabriel" ..	—	285
F. GILES & SONS	Scholefield St., Birmingham	2642	—	—	—
JAMES GORDON (late W. Udal & Co.) All kinds of Builders' and Cabinet Brassfoundry for Home and Export.	13, 14, 15, 16, Horse Fair, Birmingham	04848	—	—	—
C. F. GRIMMETT & CO. .. .. .. Stamped and Machine-made Brassfoundry for various trades. Bedstead Rings, etc.	113, Newhall St., Birmingham	4792	—	—	188
HARRISON & CO. .. .. Stamped Brassfoundry, Cornice Pole Rings, Curtain Hooks, Brass Head Nails, Drugget Pins, etc.	183, Bishop St., Birmingham	3263	"Remarkable"	—	284

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- LONDON .. .. C. E. SPICER, 11, Thavies Inn.
- SCOTLAND .. .. .. W. F. MURIE, 13, Queen Street, Glasgow.

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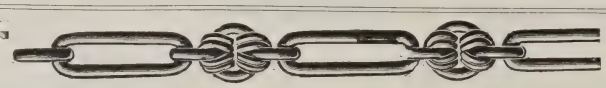

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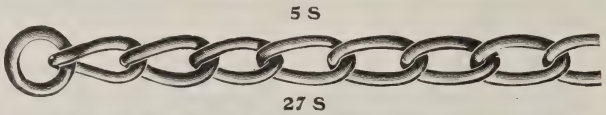

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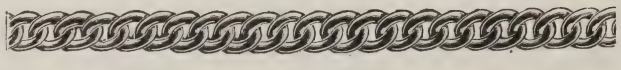

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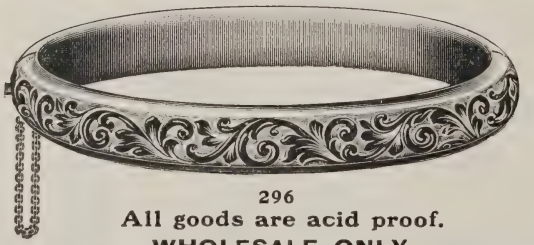

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All goods are acid proof.

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A great variety of Patterns in

Gents' Double Chains.	Lockets and Pendants.
Gents' Single Chains.	Bracelets.
Ladies' Long Guards.	Bracelets with Padlocks.
Ladies' Necklets.	Rings, Seals, Medals, etc.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
BRASSFOUNDERS—*continued.*					
F. A. HARRISON, LTD. .. .. .. Flush Bolts, Glass Movements, Hooks, Blind Furniture, Tassell Hooks, Hinges, Lifts, etc.	Albion Works, Legge Lane, Birmingham	693	"Fasten" ..	—	283
SAMUEL HEATH & SONS, LTD.	Leopold St., Birmingham ..	3947 & 331	"Spinning" ..	—	—
THOMAS HILL .. .. Speciality: Knobs, Lock Furniture, Shutter Knobs, Cupboard Turns, Cabinet and Builders' Brassfoundry.	Hampton St., Birmingham	2953	"Knobs" ..	—	—
ROWLAND HODGES .. .. Builders and Cabinet Hinges, Floor Springs, Fanlight Openers, Cabinet, Door, and Postal Handles.	12, Frederick St., Birmingham	2341	"Fanlight" ..	—	238
EDGAR A. J. HOOPER, LTD. .. .. Patent Combination Kerb Suites, in Brass and Black and Copper, Fire Screens, Ashguards.	Eagle Works, Hospital St., Birmingham	607	—	—	136
JONES & BARCLAY .. .. Cabinet and General Brassfounders, Castors, Blind Furniture, Mediæval Handles, Picture Rod Fittings.	63, Bath Row, Birmingham..	Central 513	—	—	214
JOHN LAWTON & SONS .. .. .. Stampers and Piercers, Die Sinkers, Toolmakers. Speciality: Stampings for Electrical Trades, etc.	Harford St., St. George's, Birmingham	2210	"Specialities"	—	265
B. LILLY & SONS	Barr Street, St. George's, Birmingham..	—	"Attention"..	—	—
ROBERT MANSELL & SON .. .. Door Furniture, Casement Stays and Fasteners, Fanlight Catches, Cabinet Handles, Cabinet Fittings.	9 and 10, Whittall Street, Birmingham	1509	"Despatch"	—	264
MAY & PADMORE, LTD. .. .. .. Cast and Machine-made Cabinet and Builders' Brassfoundry; prompt execution of Orders.	119 to 123, Leopold St., Birmingham	670	"Map".. ..	—	—
HORACE MITCHELL & CO., LTD. ..	Victoria Works, Bissell St., Birmingham	4566	"Solid" ..	—	—
HENRY MOORE	Star Works, Rupert Street, Birmingham	3868	—	—	—
MOORE BROS., LTD.	Priory Works, Priory Road, Aston, Birmingham.. ..	231	"Priory" ..	—	—
PHILLIPS & RABONE	Imperial Works, Lombard St., Birmingham	East 3368	—	—	—
R. & H. F. PHILLIPS .. .. .. Specialities: Arm and Leg Rings, Bedstead Rings, Cornice Pole Rings, Brackets, etc.	Royal Works, Brearley St., Birmingham	2240	"Phillips," Brearley St.	—	—
GEO. N. POTTER	154, Scholefield St., Birmingham	2693	"Pottery" ..	—	—
PRICE & TUNNICLIFF	60, Burbury St., Birmingham	2124	—	—	—
C. & W. PURSER, LTD.	Trafalgar Works, Palmer St., Birmingham	17	"Rubber" ..	—	—
THOMAS SANDERS	St. Mary Street, Ladywood, Birmingham	3573	"Selected" ..	—	—
SANDERS, SON & PAYNE, LTD. .. Every description of Cast and Stamped Brassfoundry for Home, Colonial and Foreign Markets.	Leopold St., Birmingham ..	04977	"Furniture"	—	269
SAUNDERS, DAVIES & CO. .. .. .. Castors, Cabinet Handles, Glass Movements, Reflex Hinges.	Dartmouth St., Birmingham	1943	"Castors" ..	—	264
EDWIN SHOWELL & SONS, LTD. .. Also Art Metal Work, and Manufacturers of Door and Window Fastenings, Panic Bolts, etc.	Stirchley, Birmingham ..	95 B'ham	"Showell" ..	—	281
J. SHUTTLEWORTH & CO. .. .. Plumbers' Brasswork, Syphon and other Cisterns, Sanitary Fittings of every description.	173, Brearley St., Birmingham	—	—	—	265
SMITH & CHAMBERLAIN	4, New Bartholomew Street, Birmingham	—	"Solar" ..	—	—

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67

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BIRMINGHAM.

84

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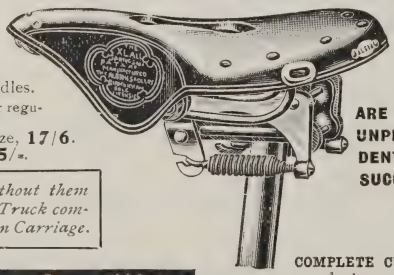
Make any Cycle into a Luxurious Mount.

XL'ALL SPRING SADDLES

Spring six times more than the ordinary saddles.
Springs can be changed or regulated instantly.
Price **15/-**. Large size, **17/6**.
For Motors, **25/-**.

A Machine without them is like a Cattle Truck compared to a Saloon Carriage.



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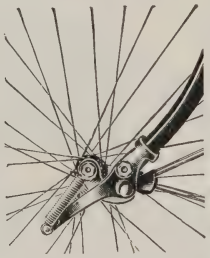
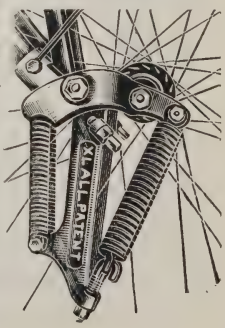
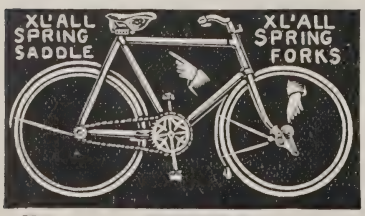


XL'ALL SPRING FORKS

can be fitted to all makes of Cycles without alterations.
For Push Cycles, **10/6**.
Motor Cycles, **17/6**.





COMPLETE CYCLES fitted with these excellent devices are supplied at very low prices.

Once supplied in a district they displace all others, the difference to the riders being remarkable.

The Eclipse Motor & Cycle Co.,

20, MARTINEAU ST., BIRMINGHAM.

Telegrams: "CYCLES, BIRMINGHAM." Telephone 4803.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
BRASSFOUNDERS—*continued.*					
JOHN SMITH & SONS	61, Blythe Street, Ladywood, Birmingham	—	—	—	—
WILLIAM THOMPSON	4 and 5, St. Paul's Square, Birmingham	5134	—	—	—
WALKER & WOODWARD .. .. .. Bolts, Cabin Hooks, Casement Stays, Ventilators, Plumbers' Bobs, Door Furniture, Mediæval Handles, Sash Fasteners, Screw Rings, Screw Hooks, etc.	Legge Lane, Birmingham ..	2224	"Walker" ..	—	283
JAMES WHITFIELD .. .. Builders', Upholsterers' and Cabinet Brassfoundry. Speciality: Stair Rods, Poles, Cabinet Handles, Machine Hinges.	Anchor Works, Oxford St., Birmingham	674	"Pole"	—	294
BRASSFOUNDERS (Cabinet).					
SAUNDERS, DAVIES & CO. .. .. .. Cabinet Handles, Castors, Reflex Hinges, Glass Movements.	Dartmouth St., Birmingham	1943	"Castors" ..	—	264
BRASSFOUNDERS (Stamped).					
WM. ADCOCK .. .. Machine-made Brass Butts (Bramptons' Patent), Saw Brand Drugget Pins.	Stafford Works, St. Clement's Rd., Nechells, Birmingham.	67 East	—	—	234
DUTSON & CO.	11, Whittal St., Birmingham.	882	"Dutson" ..	—	—
F. A. HARRISON, LTD. .. .. .. Flush Bolts, Glass Movements, Hooks, Blind Furniture, Tassel Hooks, Hinges, Lifts, etc.	Albion Works, Legge Lane, Birmingham	693	"Fasten" ..	—	283
H. HIPKISS & CO., LTD.	Goodman St., Birmingham..	602	"Hipkiss" ..	—	—
BRASSFOUNDERS (Stamped and Cast).					
SMITH & DAVIS .. .. Curtain Hooks and Rings, Moulding Hooks, Drawer Pulls, Cabinet Handles, etc.	Essington St., Birmingham..	3976	—	—	220
BRASSFOUNDRY (General).					
EDWARD BIBB & SONS .. .. .. Cornice Poles, Curtain Chains, Stair Rods, Tassell Hooks, Cabinet Handles, etc.	Windmill St., Birmingham ..	1536 Central	"Bibb"	A B C, 5th Edition	—
BRASS (Rolled).					
BASSETT, BAGNALL & CO. .. .. Manufacturers of Rolled Brass, etc. Bobbin and Comb Brass a speciality.	3, James Street, St. Paul's, Birmingham	393 Central	"Bassnall" ..	—	—
BRASS SHOP FITTINGS.					
HARRIS & SHELDON, LTD. .. .. Manufacturers of every kind of Sundry Fittings, Busts, Display Forms, Wax Models, etc.	Stafford Street, Birmingham	462 & 463	"Fittings" ..	A B C, 5th Ed. & Lieber's.	Back cover.
BREWERS.					
ANSELL'S BREWERY, LTD.	Aston	376	"Ansell"	—	—
CHESHIRE BREWERY, LTD.	Smethwick	91	—	—	—
DAVENPORT'S, C. B., LTD.	77, Bath Row, Birmingham..	644	—	—	—
HOLDER'S BREWERY, LTD.	Nova Scotia Street, Birmingham	1558	"Holders" ..	—	—
HOLT BREWERY CO., LTD.	Holt Street, Birmingham ..	928	—	—	—
MITCHELLS & BUTLERS, LTD.	Cape Hill, Birmingham ..	4245	"Artesian" ..	—	—
RUSHTON'S BREWERY, LTD.	Aston Road North, Birmingham	4246 2691	— "Brew"	— —	— —
SAML. WOODHALL, LTD.	140, High St., West Bromwich.	81	—	—	—

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are well-known all over the world as being technically up-to-date in construction, materials and finish; and are most reliable and accurate shooting weapons, at moderate prices, in qualities to suit all markets.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
BRICK, TILE, AND TERRA COTTA MANUFACTURERS.					
GEORGE SKEY & CO., LTD.	Wilnecote Works, Tamworth.	10	—	—	—
BRIDLE CUTTERS.					
WM. LUKE & CO. .. .. Belts, Leggings, Knife Sheaths, etc.	St. George's Place, Gt. Hampton Row, Birmingham ..	—	—	—	216
BRUSH MANUFACTURERS.					
RICHD. BENSON & SONS	71, Fazeley St., Birmingham..	16x	—	—	—
ROBERT CHASE & SON	42-45, Upper Dean Street, Birmingham	1870	"Chased" ..	—	—
D. CLARK & SONS .. .. Also Manufacturers of Ropes, Twines and General Cordage Cords.	Stafford St., Walsall	74	"Brushes" ..	—	190
THOS. GOODE, LTD.	114, Suffolk St., Birmingham	1412	—	—	—
GEORGE J. HOBBS & CO.	Benacre Street, Birmingham	3689	"Observe" ..	—	—
LEE & JAMES, LTD. .. .. Manufacturers of all kinds of Brushes.	Albion Works, Moseley St., Birmingham	1673	"Brush" ..	A B C, 4th & 5th Ed., Western Un'n.	180
C. H. LENG & SONS	Reliance Works, Sherbourne Road, Birmingham ..	4188	—	—	—
A. MARTIN & SON	Lynton Works, Wainwright St., Aston, Birmingham ..	—	—	—	—
THOMAS PLANT	Edgbaston St., Birmingham..	2213	—	—	—
JOHN STYCH & CO., LTD.	188, Bromsgrove St., B'ham.	1168	"Redcross" ..	—	—
BRUSH (Toilet) MANUFACTURERS.					
HINDES, LTD.	Bromsgrove St., Birmingham	1068	"Hinderies" ..	—	—
BUCKLES.					
CHARLES EDKINS & SONS .. .. Buckles (Bennett's Patent), Trousers, Livery and Glove Buttons, Glove Fasteners, etc.	Friday Bridge Works, Birmingham	3838	"Edkins" ..	—	236
BUILDERS AND CONTRACTORS.					
JAMES MOFFAT & SONS	South Road, Camp Hill, Birmingham	247	—	—	—
WILLIAM SAPCOTE & SONS	87, Camden St., Birmingham	2269	—	—	—
JAMES SMITH & SONS	220, St. Vincent St., Birmingham	1745	—	—	—
BUILDERS' MERCHANTS.					
THE ASTON JUNCTION CO., LTD. ..	Aston Road, Birmingham ..	1436	"Concrete" ..	—	—
BUILDINGS (Wood and Iron).					
HARRISON SMITH BUILDINGS, LTD. ..	109, Dollman St., Birmingham	5149	"Bungalow" ..	A B C.	—
BULLION DEALERS.					
CHARLES HARROLD & CO.	2 and 3, St. Paul's Square, Birmingham	2149	"Aurum" ..	A B C, 5th Edition.	—
BUTTON MANUFACTURERS.					
E. BACON & SONS .. .. Bone Buttons, Counters, etc. Boxwood Buttons, Draughtsmen, Electric Bushes and all Sundries.	River Street, Deritend, Birmingham	919	—	—	—
C. & H. BULLIVANT	44, St. Paul's Sq., Birmingham	149x	"Bullivant" ..	—	—
CLARKSON & CO. .. .. Speciality: Pearl Buttons of every description.	Crown Button Works, Potter Street, Birmingham ..	—	"Clarkson," B'ham. ..	—	228
C. H. COLLINS & SONS. .. .. .. Collar Studs, Shirt Studs, Sleeve Links, Solitaires, Fancy Vest Buttons and all classes of Gentlemen's Jewellery.	47 and 48, Hockley Hill, Birmingham	0449 Jew'l'rs	—	—	276

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H. W. WARD & CO.,
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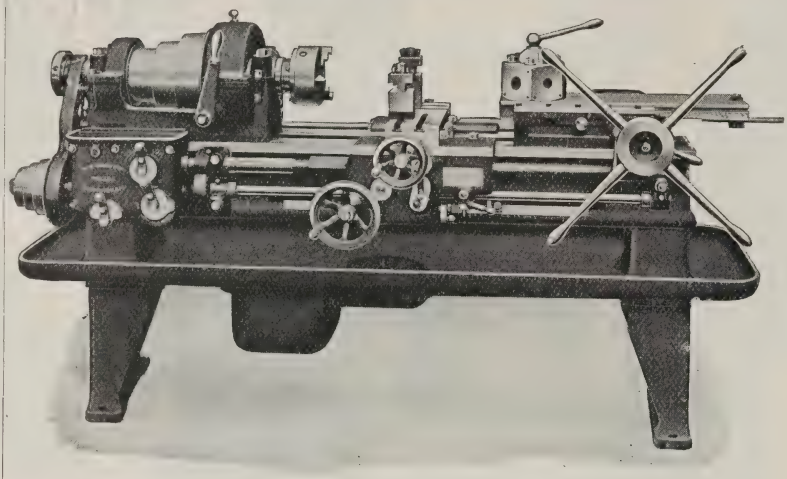

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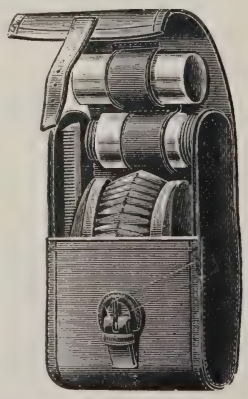

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BUTTON MANUFACTURERS— *continued.*					
CHARLES EDKINS & SONS .. .. Trousers, Livery and Glove Buttons, Glove Fasteners, Buckles (Bennett's Patent).	Friday Bridge Works, Birmingham	3838	"Edkins" ..	—	236
JAMES GROVE & SONS	Bloomfield Works, Halesowen	7	"Grove"	—	—
HAMMOND TURNER & SONS, LTD. .. In Vegetable Ivory and Horn Metal. Also in very cheap Ivoroid for Clothiers. Buttons for Eastern Markets, etc.	Summer Hill, Birmingham..	2106	"Lion"	A B C	6
HARRISON & SMITH, LTD.	Alma Street, Aston, Birmingham	2513	"Alma	—	—
JENNENS & CO.	Deritend, Birmingham ..	2793	—	—	—
PLANT, GREEN & MANTON, LTD. ..	Warstone Lane, Birmingham	2350	"Linen"	—	—
PROCTOR & AVERY .. .. Linen, Upholsterers and Metal. Also makers of Metal Smallwares.	Bond St., Birmingham ..	79x	—	—	—
J. W. SMITH & SONS .. .. .. All kinds of Metal Buttons, Gilt and Plated, Livery, Military and Fancy.	Irving St., Birmingham ..	—	—	—	—
SMITH & WRIGHT, LTD.	Brearley St., Birmingham ..	85	"Wright," B'ham. ..	A 1.	—
BUTTON (Metal) MANUFACTURERS.					
NEWEY BROS., LTD. .. .. Military and Trousers Buttons, Hooks and Eyes, Smallwares, etc.	Brearley St., Birmingham ..	1814	"Pelican" ..	—	242
BUTTONS (Patent) MANUFACTURERS.					
F. DOWLER & SONS .. .. Eyelets, Paper Fasteners, Patent Rivet Buttons, Dog Collar Ornaments and Plates, Stud Eyelets, Belt Eyelets, etc.	Wainwright Street, Aston Manor, Birmingham ..	107 East	"Dowler" ..	—	200
BUTTONS (Pearl) MANUFACTURER.					
GEO. E. COPE	154, Villa Street, Lozells, Birmingham	0556	"Copeman" ..	—	—
BUTTON AND SMALLWARE MANUFACTURER.					
JOHN C. EDWARDS	8, Carr's Lane, Birmingham	—	—	—	—
CABINET BRASSFOUNDERS.					
WM. COOK .. .. Handles, Castors, Butt Hinges, Hat and Coat Hooks, etc., etc.	Porchester Works, Aston, Birmingham	72 Northern	"Champion" ..	—	176
SAUNDERS, DAVIES & CO. .. .. Glass Movements, Reflex Hinges, Cabinet Handles, Castors.	Dartmouth St., Birmingham	1943	"Castors" ..	—	264
CALENDARS.					
BEMROSE & SONS LTD. .. .. .. Office, daily and weekly tear-offs. Pictorial Calendars.	Midland Place, Derby	215	"Bemrose" ..	—	246
CANARY CAGE MANUFACTURERS.					
KOBABE & KUPHAL .. .. All descriptions for home and export—best quality. Speciality: Canary Cages, tinned after made (Patented).	Summer Row, Birmingham	—	—	—	266
CAPSTAN LATHE MAKERS.					
H. W. WARD & CO. .. .. For General Engineers, Motor Manufacturers, Brass Founders, and the Cycle Trade.	Lionel St., Birmingham ..	1469	"Tudor" ..	—	150

Telegrams: "HOADLY, BIRMINGHAM." Telephone No. 70 East.

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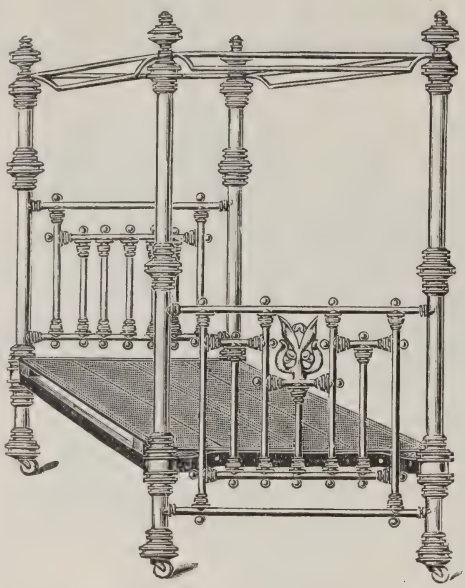

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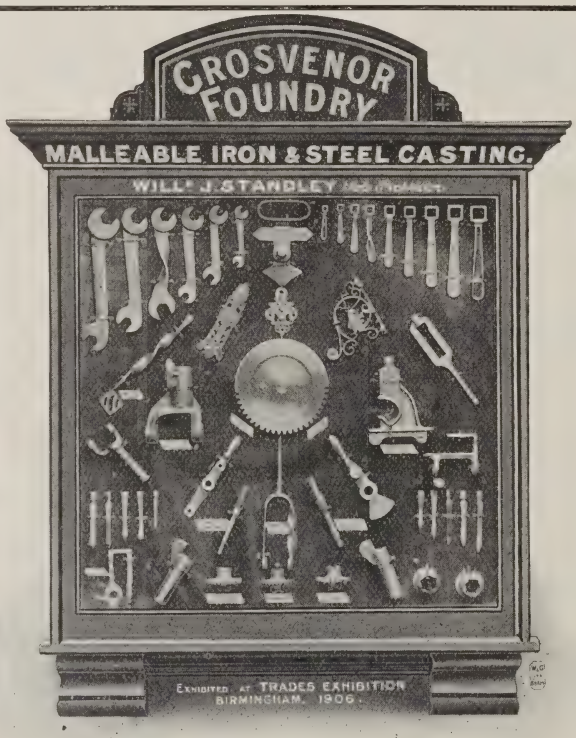

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TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
CARPET FACTORS (English and Foreign).					
KEAN & SCOTT .. .. Linoleums and all descriptions of Floor Coverings.	Corporation St., Birmingham	755	"Kean Scott"	—	178
CARRIAGE BUILDERS.					
BUCKINGHAM, LTD. .. .. Broughams, Landaulettes, Landaus, Sporting Carts, Ralli, Princess, and Governess Cars, Liverpool Gigs.	Bradford Street and Sherlock Street, Birmingham ..	3754	—	A B C	178
CARRIAGE AND MOTOR CAR AXLE MANUFACTURERS.					
GRICE & HARRISON	145-6, Sherbourne St., Birmingham	3383	"Sherbourne"	—	—
CARRIERS (CANAL).					
FELLOWS, MORTON & CLAYTON, LTD.	Fazeley Street, Birmingham	510&532	"Fellsmorton"	—	—
CASES (Musical Instruments).					
C. HOUGHTON & SONS .. .. .. Cases for Violins, Banjos, Mandolines, Guitars and all Musical Instruments in Leather and Cloth.	Reliance Works, Heaton St., Birmingham	Central. 2296	"Melody" ..	—	273
CASH BOXES.					
DUNN & TAYLOR .. .. Lanterns and Cart Lamps. Speciality: "Duntafil" Cart Lamps.	Burbury Street, Birmingham	3720	—	—	277
CASTINGS.					
THOS. CLIVE & SON .. .. Malleable and Mild Steel Castings of every description.	Staniforth St., Birmingham	04937	"Clive".. ..	—	194
SMITH, BINGLEY & EVANS .. .. General Ironfounders and Patternmakers.	Tower Foundry, Aston Road North, Birmingham ..	522	"Trio"	—	—
CASTOR MANUFACTURERS.					
F. & H. MATCHETT	21, George Street Parade, Birmingham	1208	—	—	—
CATALOGUES.					
BEMROSE & SONS LTD. .. .. .. For all trades and businesses. Specially designed, written, and printed.	Midland Place, Derby	215	"Bemrose" ..	—	290
CEMENT MANUFACTURERS.					
CHANCE & HUNT, LTD. .. .. .. Best Portland Cement.	Oldbury, near Birmingham..	5 & 9	"Cement" ..	A B C, and Lieber's	196
CHAIN MANUFACTURERS.					
GIDEON BILLINGHAM..	Despatch Works, Cradley Heath, Staffs.	18	"Attention"..	—	—
COVENTRY CHAIN CO., LTD. .. .. Power Driving Chains of every description and wheels for same.	Coventry	290	"Chains" ..	Lieber's ..	142
A. DE COURCY & CO.... .. .. .. Manufacturers of all kinds for Police, Guards, Boatswains, Referees, Cyclists, etc.	Frankfort St., Birmingham	184x	—	—	266
W. GRIFFIN..	Victoria Forge, Cradley Heath, Staffs.	3	"Chain" ..	—	—
JONES & BARCLAY .. .. Brass Chandelier, Picture, Lamp and other Chains. Speciality: Brazed Oval Link Chain.	63, Bath Row, Birmingham	Centr'l 513	—	—	214
JONES & LLOYD, LTD.	Scotia Works and Cradley Forge, Cradley, Staffs. ..	33 & 33a	"Neptune, Cradley, Worcestershire"	—	—
SMITH & DAVIS.. .. .. Chandelier Chain, Picture Chain, Jack Chain, Electrolier Chain, and all kinds small Chains.	Beacon Works, Essington St., Birmingham	3976	—	—	220

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
CHAIN AND ANCHOR MANUFACTURERS.					
FELLOWS BROTHERS	Clyde Chain Cable & Anchor Works, Cradley Heath, Staffordshire	35	"Fellows" ..	A B C, 4th & 5th Eds.	—
H. P. PARKES & CO., LTD.	Tipton Green Works, Tipton	18	"Parkes" ..	—	—
RICHARD SYKES & SON, LTD.	Railway Works, Cradley Heath, Staffs.	—	—	—	—
CHAIN (Albert) MANUFACTURERS.					
S. PARKES & SON .. .. Speciality: Rolled Gold Alberts, Sleeve Links, Studs, Medals, Guards, Necklets, etc., marked S.P. & S.	7, Bath Street, Birmingham	05058	"Parkes" ..	—	162
CHAIN (GOLD) MANUFACTURERS.					
JOHN GOODE & SONS	Regent Place, Birmingham	2594	"Quality" ..	—	—
JOHN MANTLE & SONS, LTD. .. .. Also Manufacturers of Bracelets, Seals, Gem, Signet, Keeper, and Wedding Rings.	160, Warstone Lane, Birmingham	2376	"Chains" ..	—	208
WALTER NEEDHAM .. .. Curb Bracelets, Brooches, Bangles, Charms, Lockets, Rings in paste and gem. General Jewellery.	37, Vyse Street, Birmingham	1926	"Facet" ..	—	214
CHAIN (Gold and Silver) MANUFACTURER.					
CHAS. D. BROUGHTON	21-23, St. Paul's Sq., Birmingham	—	"Guard" ..	—	—
CHAIR AND FOLDER MANUFACTURERS.					
FITTER BROTHERS .. .. Sole Makers of the "Military" Folding Bedstead; the strongest made.	"Bedford" Bedstead Works, 88, Pritchett St., Birmingham	2256	"Combination"	—	156
CHALK (PRECIPITATED) MANUFACTURERS.					
JOHN & E. STURGE .. .. Also Citric Acid, Bicarbonate of Potash, Rochelle Salts, Fluid Magnesia, Effervescent Salines.	18, Wheeley's Lane, Birmingham	108	"Sturgeon" ..	A B C, 4th & 5th Eds.	174
CHANDELIER MANUFACTURERS.					
J. B. BRUCE .. .. Also Brassfounder, Shop and Office Fitter, etc.	Havelock Works, Ernest St., Holloway Head, Birmingham	892	"Bruces" ..	—	—
THOMAS R. CARPENTER .. .. .. Chandeliers, Brackets, Lanterns, and every description of small Gas Fittings.	"Cranmer Works," 171-179, Bishop Street, Birmingham	05225	"Carford" ..	—	269
A. EMANUEL & SONS, LTD.	Phœnix Works, Holloway Head, Birmingham	1699	—	—	—
EVERED & CO., LTD.	Surrey Works, Smethwick ..	4	"Evereds" ..	—	—
INGRAM & KEMP, LTD.	London Works, Newtown Row, Birmingham	471	"Gaslight" ..	A B C, 5th Ed.	—
JOHN RUSSELL & CO., LTD.	Belmont Chandelier Works, Brookfields, Birmingham	5133	"Belmont" ..	—	—
CHEESE FACTOR.					
GEORGE LEWIS	South View, Market Drayton	—	"Lewis" ..	—	—
CHEMICAL MANUFACTURERS.					
ALBRIGHT & WILSON, LTD.	Oldbury, nr. Birmingham ..	2	—	—	—
CHANCE & HUNT, LTD. .. .. .. Carbonate Ammonia, Muriate Ammonia, Salammoniac, Liquate Ammonia, Caustic Soda, Soda Ash, Sulphur.	Oldbury, nr. Birmingham ..	5 & 9	"Chemicals"	A B C, & Liebers	196

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We have had the honour to supply Motor Carriages to

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HER ROYAL HIGHNESS THE PRINCESS OF WALES.

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THE RIGHT HON. THE EARL OF SANDWICH, etc., etc.

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BRISTOL: 18, VICTORIA STREET. NOTTINGHAM: 96—98, DERBY ROAD.

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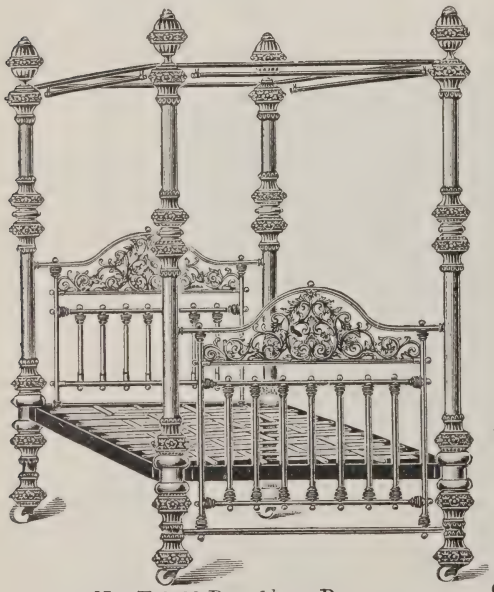

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— INDENTS THROUGH MERCHANTS. —

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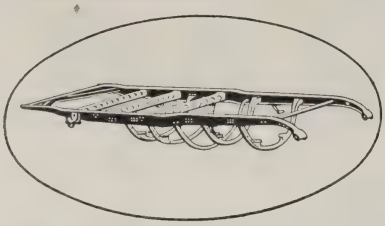
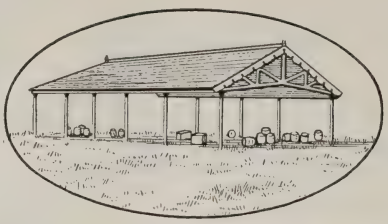
TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
CHEMICAL MANUFACTURERS— *continued.*					
COUNTY CHEMICAL CO., LTD.	"Excelsior Works," Moor St., Birmingham	3230	"Hilda"	—	—
PEYTON & SON	Great Lister St., Birmingham	767	"Oxygen"	—	—
THE RUBBER CHEMICAL CO., LTD.	2, Ludgate Hill, Birmingham	4833	"Seringa"	A B C	—
JOHN & E. STURGE Citric Acid, Precipitated Chalk, Bicarbonate of Potash, Rochelle Salts, Fluid Magnesia.	18, Wheeley's Lane, Birmingham	108	"Sturgeon"	A B C, 4th & 5th Ed.	174
CHEMISTS (MANUFACTURING AND WHOLESALE).					
PHILIP HARRIS & CO.	Edmund St., Birmingham	10	"Science"	—	—
SOUTHALL BROS. & BARCLAY, LTD.	19, Lower Priory, Birmingham	3268 & 206	"Southall"	—	—
SYDNEY B. WHITE	172, Bromsgrove St., Birmingham	—	—	—	—
CLAY MERCHANTS.					
BOWEN & EDWARDS Fire Clays, China Clay, Best Pot Clay, etc., either ground or unground.	Northwood St., Birmingham	4522	—	—	200
CLUTCH (Cycle) MANUFACTURERS.					
"PERFECTA" CLUTCH CO. Manufacturers of Free-Wheel Clutches for Cycles & Motor Cycles.	5, King Street, Coventry	362	"Perfect"	—	142
COACH, CARRIAGE, AND MOTOR BODY FITTINGS.					
LOWE, BEVAN & CO.	"Clarence Works," Scotland St., Birmingham	894	"Clarence"	—	—
COACH SADDLERS' IRONMONGERS.					
INSOLE & GRIMLEY, LTD	34-38, Hurst St., Birmingham	678	"Insole"	—	—
COAL AND BRICK MERCHANTS.					
PARKER & PROBERT	Bagot St., Birmingham	1435	—	—	—
COAL AND COKE MERCHANTS.					
T. BOSTON & SON, LTD.	Paradise St., and Old Wharf, Birmingham	583	"Boston"	—	—
EVESON COAL & COKE CO., LTD.	Edmund St., Birmingham	815	"Eveson"	—	—
JOSEPH GOTHARD & CO.	Lawley Street Station, Birmingham	238	"Gothard"	—	—
COAL, COKE, & IRON MERCHANTS.					
J. C. ABBOTT & CO., LTD.	"Prince's Chambers," Corporation St., Birmingham	429	"Abbott"	—	—
COAL MERCHANTS.					
THE CANNOCK CHASE COLLY. CO., LTD. Distributors of Best and Second House Coals; own productions only.	1, Newhall St., Birmingham	—	—	—	—
GOODMAN & CO.	141, Great Charles St., Birmingham	3297	—	—	—
J. HACKETT & CO.	18, Bennetts Hill, Birmingham	3945	"Hackett"	—	—
R. W. HAYWARD	46, Oliver St., Nechells, Birmingham	2511	"Fuel"	—	—
COAL HODS.					
FRANCIS HILL Holloware Manufacturer. Specialities: Oval Baths, Wrought Iron Kettles, Watering Pots, etc.	"Belmont Works," Birmingham	1037	"Nonpareil"	—	178
COFFEE MILL MAKERS.					
ZACHARIAH PARKES & CO. Mills for Spices, Corn, Wheat, Mealies, Chemicals, Paints, Almonds, etc., also Disintegrators.	47 & 48, Hampton St., Birmingham	05179	"Recut"	—	—



THE SOCIETY OF MOTOR MANUFACTURERS & TRADERS

Established 1884.



RUBERY, OWEN & CO.,

TELEGRAMS: "ROOFS, DARLASTON."

DARLASTON,

NAT. TELEPHONE No. 22.

SOUTH STAFFS.

MOTOR FRAME DEPARTMENT.

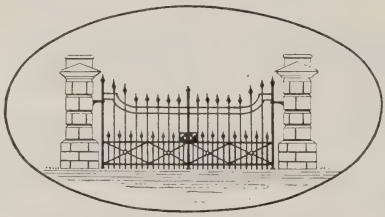
All Descriptions of Hydraulically Pressed Motor Car and Wagon Frames for Commercial and Pleasure Cars, Omnibuses, &c.

ESTIMATES AND DRAWINGS ON APPLICATION.

ROOFING DEPARTMENT.

ALL KINDS OF ROOFS, BRIDGES, GIRDERS, TANKS, AND GENERAL CONSTRUCTIONAL STEELWORK.

ESTIMATES FREE.



FENCING DEPARTMENT.

WROUGHT-IRON FENCING AND GATES IN ALL DESIGNS.

TREE GUARDS, BARROWS, GARDEN SEATS, &c., PROMPTLY EXECUTED.

73

Manufacturers of

UNDERTAKERS' REQUISITES.

INGALL PARSONS.

CLIVE & CO. LTD.

BRADFORD ST., BIRMINGHAM.

POLISHED COFFINS

FOR EXPORT.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
COFFIN AND CASKET MANUFACTURERS.					
INGALL, PARSONS, CLIVE & CO., LTD. Coffins, Caskets, Metallic Shells, Cremation Coffins, Urns, Mouldings, Coffin Sets and timber.	Bradford St., Birmingham .	422 & 423	"Registered," Birmingham	A B C	158
COFFIN FURNITURE MANUFACTURERS.					
GORDON & MUNRO .. .. Every description of coffin furniture, shrouds, frillings, linings, etc., Home and Export.	13, 14, 15, 16, Horse Fair, Birmingham	04848	"Funeral" ..	—	—
INGALL, PARSONS, CLIVE & CO., LTD. Every kind for home and export; also shrouds and inside trimmings.	Bradford Street, Birmingham	422 & 423	"Registered," Birmingham	A B C	153
NEWMAN BROS.	Fleet Street, Birmingham ..	3403	"Shroud" ..	—	—
C. H. PARSONS, LTD.	151, High Street, Bordesley, Birmingham	1390	"Hectomar"	—	—
SANDERS, SON & PAYNE, LTD. .. Brass, Nickel, Electro, and Black Furniture. Memorial Brasses, Hearse Rails, Shrouds.	Leopold Street, Birmingham	04977	"Furniture"	—	269
COINING MACHINERY.					
TAYLOR & CHALLEN, LTD., ENGINEERS, Make Automatic, Blanking, and Coining Presses.	Constitution Hill, Birmingham	2244	"Derwent" ..	—	3
COIN, METAL, TUBE AND WIRE MANUFACTURERS.					
THE MINT, BIRMINGHAM, LTD.	Icknield St., Birmingham ..	58 & 3154	"Mint," Birmingham	A B C, 5th Ed.	—
COLLAR STUD MAKERS.					
HENRY OWEN & SONS, LTD. .. .. Patentees of Studs, Links, Lockets, Hat Pins, Ladies' Collar Supports, etc.	Caroline Street, Birmingham	2181	"Deversum"	—	
COLLIERY OWNERS.					
CANNOCK CHASE COLLY. CO., LTD., THE Producers of all classes of House and Steam Coals.	Warwick Chambers, Corporation St., Birmingham ..	5036	"Substratum"	—	—
COLOUR MANUFACTURERS.					
ARTHUR HOLDEN & SONS, LTD. ..	Bradford Street, Birmingham	1107	"Varnish," Birmingham	—	198
COMMERCIAL TRAVELLER.					
C. LEONARD NOTT	133, Whitehall Road, Handsworth, Birmingham ..	—	—	—	—
CONDIMENT FOR HORSES & STOCK					
B. C. TIPPER & SON .. .. Makers of Tipper's "Mystery," Tipper's "Cod Liver Oil Condiment," Tipper's "Grul-os," etc.	The Veterinary Chemical Works, 43 & 45, Homer St., Balsall Heath, Birmingham	South 204	—	—	—
CONDUIT PIPES.					
JOHN SPENCER, LTD. .. .. .. Smooth Bore Pipes for Electric Wiring of all kinds.	Globe Tube and Engineering Works, Wednesbury ..	4 & 53	"Tubes" ..	A B C	232
CONFECTIONERS (Manufacturing).					
PATTISON & GEAR	Islington Row, Birmingham	4555	"Pineapple"..	—	—
CONSTRUCTIONAL ENGINEERS.					
S. TAYLOR & CO. .. .. Corrugated Iron Buildings for Power-Houses, Tram Car Sheds, Motor Garages and Portable Buildings generally.	145-7, Lionel St., Birmingham	Central 81	"Zinc," Birmingham	—	267

Whitfield's Safes.

LONDON & BIRMINGHAM

167

Charles Wilks,

16, Mott Street, Birmingham.

Specialities in Silver and Electro Plate.

Souvenir Spoons, suitable for the Colonies and Shooting Prizes.

Fancy Tea Spoons in Cases.

Sugar Dredgers in the popular Octagon Shapes.

Cake Forks,
Nut Cracks,
Muffineer Sets.

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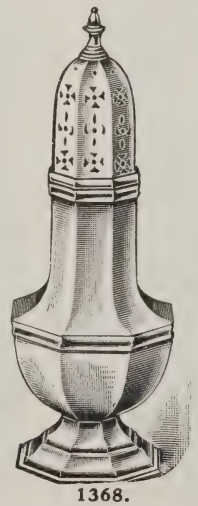
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TRADE MARK

TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
CONSTRUCTIONAL IRONWORK.					
WALLS LTD.	Fazeley Street, Birmingham	582	"Brazier" ..	A B C, 5th Ed.	294
COPPERSMITHS AND BREWERS' ENGINEERS.					
GASKELL & CHAMBERS, LTD. .. .. (Incorporated with Yates & Greenways), Mullers, Urns, Measures, etc.	50-52, Dale End, Birmingham	640	"Gaskells" ..	—	146
COPYING PRESS MANUFACTURERS.					
S. A. DANIELL, LTD.	Lion Works, Edward Street, Parade, Birmingham ..	746	"Daniell ..	—	—
CORNICE POLES AND TREADS.					
JAMES WHITFIELD .. .. Bent Poles, Pole Brackets, Patent Muslin Rod Brackets, Stair Treads, Window Fittings.	Anchor Works, Oxford St., Birmingham	674	"Pole"	—	294
CORNICE POLE RINGS.					
C. F. GRIMMETT & CO. .. .. .. For all Markets; also Pole Fittings, Curtain Rings, Hooks, etc.	113, Newhall Street	4792	—	—	188
HARRISON & CO. .. .. Brackets, Curtain Rings, Hooks, Hinges, B. H. Nails, Moulding Hook, Sash Lifts, etc.	183, Bishop St., Birmingham	3263	"Remarkable"	—	284
CORRUGATED IRON MANUFACTURERS.					
BIRMINGHAM CORRUGATED IRON CO., LTD.	Rotton Park St., Birmingham	77	"Corrugated"	—	—
CORRUGATED IRON ROOFS.					
JOSEPH ASH & SON .. .. Galvanizers of large and heavy Ironwork; Tank Makers, and General Iron-plate Workers.	Rea St. South, Birmingham..	474	"Tanks" ..	—	—
CORSET MANUFACTURERS.					
J. J. CLARK, SON & CO.	Broad Street and Tennant Street, Birmingham ..	1035	"Busks" ..	—	—
COTTON ROPES.					
JOHN & EDWIN WRIGHT, LTD. .. .. Best Egyptian Cotton Ropes for Driving purposes.	Universe Works, Birmingham	707	"Universe"	A B C	218
CRABBE SPEED GEAR HUB MAKERS.					
COMPONENTS LTD. .. .. Also Makers of Cycles, Motor Cycles, Brakes, Tyres, Drop Forgings, and Stampings.	Bournbrook, Birmingham ..	28	"Components," Bournbrook, Birmingham	—	263
CURTAIN HOOKS.					
HARRISON & CO. .. .. Cornice Pole Rings, Brackets, Curtain Rings, Stamped Brassfounders, Hinges, Moulding Hooks, Glass Plates, etc.	183, Bishop Street	3263	"Remarkable"	—	284
CURTAIN HOOK AND RING MANUFACTURERS.					
THOMAS WILLIAM BROUGHTON & CO. Solid Brass, Double Coil Patent Spring Lock, Revolving, Swivel, Victoria Steel, Nickel, White, Yellow.	44-51, High Park Street, Nechells, Birmingham ..	B'ham East 95	"Broughton," Nechells, Birmingham	—	270

The WOOD CARVING CO., LTD.,

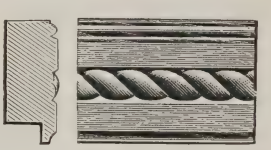
Windsor Street, BIRMINGHAM, Eng.,

Moulding Manufacturers and Wood Carvers.

Speciality:

EMBOSSED OAK . .

PICTURE MOULDINGS.



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There is money to be made selling Cycles that are really reliable. Ours is a line that can be sold with confidence, it will please your hardest customer, first of all by its smart appearance, then by its low price, and always when he has bought a machine, by its easy running and long wear.

COVENTRY ROYAL CYCLES.

Let us send you our Catalogue and Price List now.

COVENTRY WORKS, LTD.,
BIRMINGHAM.

Telegrams: Thrift, Birmingham." Telephone: 200 Small Heath.

212

MADE IN ENGLAND. GENUINE ROLLED GOLD CHAINS.

S.P.&S

The English-made article is marked **S. P. & S.**

Registered Trade Mark in England and the Colonies—

REGISTERED S.P.&S TRADE MARK

Rolled Gold Chains. Gold Filled Guards.
,, ,, Sleeve Links. ,, ,, Seats.
,, ,, Studs. Rolled Gold Brooches.

S. PARKES & SONS, 7, Bath Street, BIRMINGHAM, England.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
CYCLE MANUFACTURERS.					
CHASE CYCLE CO. .. .. Makers of Chase Cycles, Fittings, etc., and Factors of Tyres and Accessories.	Offices and Warehouse, Snow Hill, Birmingham; Works, George Street Parade, Birmingham	1605 & 1912	"Leconteur"	Tradergrams	222
COMPONENTS LTD. .. .. Fleet Cycles, Ariel Cycles, Motor Cycles, "Crabbe" and "Liberty" Brakes, "Liberty" Tyres and parts.	Bournbrook, Birmingham ..	28 Selly Oak	"Components," Bournbrook, Birmingham	—	263
COVENTRY WORKS, LTD. .. .. .. Manufacturers and Exporters of Ladies' and Gents' Cycles, Motor Cycles and Carrier Tricycles.	Arthur Street, Small Heath, Birmingham	200 Victoria	"Thrift" ..	A B C, 5th Ed.	162
ECLIPSE MOTOR & CYCLE CO., THE ..	20, Martineau Street, Birmingham	4803	"Cycles," Birmingham	A B C, 1st Ed.	146
IMPERIAL CYCLE CO., LTD.	Lower Loveday Street, Birmingham	323	"Peerage" ..	A B C, 5th Ed., and Tradergrams	—
LINDALL'S, LTD.	70, Lombard Street, Birmingham	2673	"Lifelike" ..	—	—
OSMOND'S, LTD.	Bagot Street, Birmingham ..	550	"Osmonds" ..	—	—
QUADRANT CYCLE CO., LTD.	Sheepcote Street, Birmingham	596	"Quadrant"	—	—
RUDGE-WHITWORTH, LTD. .. .. .. Manufacturers of Bicycles, Tricycles, Carrier Tricycles, etc.	Registered Office, Crow Lane, Coventry	404	"Rudge" ..	A B C, 5th Ed.	130
THOMAS SMITH & SONS, OF SALTLEY, LTD.	Adderley Road, Saltley, Birmingham	314 & 3874	"Hammers" ..	—	—
A. SPENCER .. .. Also Manufacturer of Cycle Frames, Fittings, etc., etc.	Coleshill Street, Birmingham	5187	"Spencerian"	A B C, 5th Ed.	281
"SUN" CYCLE & FITTINGS CO., LTD.	Aston Brook Street, Birmingham	2637	"Carbon" ..	—	—
TIMSON BROS. .. .. Manufacturers of "Victa" Cycles, Fittings, Accessories and Component parts for Export.	Snow Hill, Birmingham ..	4516 & 4517	"Timson" ..	A B C, 5th Ed.	198
CYCLE ACCESSORIES.					
C. J. ADIE & NEPHEW .. .. .. Motor and Cycle Inflators, Pump Clips and Connections, Mud Flaps, Patent Metallic Pump Ends.	Novelty Works, Warstone Lane, Birmingham	4452	"Elephant" ..	—	236
BARFORD MANUFACTURING CO. ..	Bishop St., Birmingham ..	1701	"Unequalled"	—	—
ECLIPSE MOTOR & CYCLE CO., THE ..	20, Martineau St., Birmingham	4803	"Cycles," Birmingham	A B C, 1st Ed.	146
HYMAN FRANKENBURG	28, Snow Hill, Birmingham ..	1631	"Pioneer" ..	—	—
NEW HUDSON CYCLE CO., LTD., THE Manufacturers of every description Cycle Fittings, Frames, 3 Speed Gears, Trade Mark "Luburno."	Parade Works, Summerhill Street, Birmingham	2323	"Wonder" ..	A B C, 5th Ed.	—
J. A. PHILLIPS & CO.	Bath Street, Birmingham ..	1606	"Tourist" ..	—	—
ALFRED SMITH .. .. Trousers Clips, Pump Connections, Pump Clips, and all Cycle Sundries. Trade "V V V" Mark.	Albion Works, George St. Parade, Birmingham ..	328x	—	—	176
TIMSON BROS. .. .. Manufacturers of Complete Cycles and all Accessories and Component parts; also Motor Accessories.	Snow Hill, Birmingham ..	4516 & 4517	"Timson" ..	A B C, 5th Ed.	198
ARTHUR B. WILLIAMS & CO., LTD. .. Factors and Exporters of Cycle Parts, Spanners, Tools, Coffee Mills, and Ironmongers' Goods.	13, Weaman St., Birmingham	1657	"Nippers," Birmingham	A B C, 5th Ed.	216
CYCLE AND CYCLE TUBE MANUFACTURERS.					
JAMES MORRIS, LTD.	196, Coventry Road, and 46, Green Street, Birmingham	1040x Small Heath	—	—	—

THE BIRMINGHAM BATTERY AND METAL CO., LIMITED,

MANUFACTURERS OF

BRASS AND COPPER TUBES

(Seamless and Brazed)

For LOCOMOTIVE, MARINE, and other Purposes.

BRASS SURFACE CONDENSER TUBES.

Brass and Copper Sheets, Wire and Rods, Yellow Metal Sheets and Rods, Brazing Solder, Yellow Metal and Naval Brass Condenser Plates, etc.

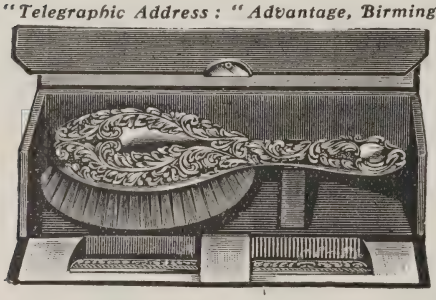
Selly Oak, BIRMINGHAM.

179 *TELEGRAMS:—"BATTERY, SELLY OAK."*

WILLIAMS (Birmingham) Ltd., Manufacturing Silversmiths,

170-178, Hockley Street, BIRMINGHAM, England.

"Telegraphic Address: "Advantage, Birmingham."



No. **4094C**
Single Brush and Comb in Case. Size of Brush, 9×3.
Price **6/2.**

PRIZE CUP.
Plain, Chased or Engraved.

Approximate Weights.

	With Handles		No Handles	
5½in.	4	0	2	5
6in.	6	10	3	0
7in.	7	10	4	10
8in.	9	0	6	10
9¾in.	12	0	9	5
10¼in.	15	0	10	10
11½in.	20	10	16	10
12½in.	23	0	17	0

Made from 5½in. upwards. With or without Handles.

Plain, **5/-** oz.

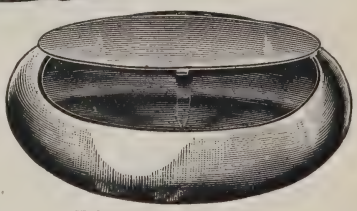
Chased or Engraved, **5/7** oz.

No. **4392.**
Hat Pin Stand.
6 in. high,
2¾ in. across base.
3/1 each.

No. **717.**

2 Gill Tea Set		**5/7** per oz.
4 ,, ,, ,,		about 22 oz.
4 ,, Tea and Coffee Set		,, 30 oz.
4 ,, Kettle and Stand		,, 50 oz.
		,, 38 oz.

Manufacturers of —
Rose Bowls, Waiters, Cigar, Cigarette, and Card Cases, Presentation Plate, Tea & Coffee Services, Tea Trays.



Tobacco Box, Spring Lid.
Oval or Round, Plain, Hammered or Engraved.
Weight from 2 oz.
Plain, **6/8** oz. Hamd. or Engraved, **7/3** oz.

ABOVE PRICES ALL SUBJECT.

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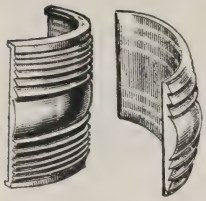
TRADE INDEX—*continued.*

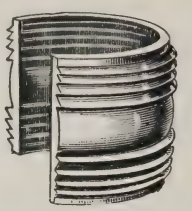
TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
CYCLE AND MOTOR LAMP MANUFACTURERS.					
H. MILLER & CO., LTD.	Miller Street, Birmingham ..	2585	"Monarch"..	—	—
CYCLE AND MOTOR RIM MAKER.					
J. T. JAMES	Lower Loveday St., Birmingham	1430	"Felloes" ..	—	—
CYCLE AND TRICYCLE MANUFACTURERS.					
NEW HUDSON CYCLE CO., LTD., THE Contractors to H.M. Government. Annual output of complete bicycles, 45,000 machines.	Parade Works, Summerhill St., Birmingham ..	2323	"Wonder" ..	A B C, 5th Ed.	—
CYCLE BRAKE MANUFACTURERS.					
BIRMINGHAM BRAKE CO., LTD. ..	52, Steelhouse Lane, Birmingham	2894	—	—	—
CYCLE CHAIN MANUFACTURERS.					
COVENTRY CHAIN CO., LTD. .. .. Cycle Chains and Free Wheels, as fitted by the leading Cycle Manufacturers.	Coventry	290	"Chains" ..	Lieber's	142
CYCLE CLUTCH MANUFACTURERS.					
PERFECTA CLUTCH CO. .. .. .. Manufacturers of Free Wheel Clutches for Cycles & Motor Cycles.	5, King Street, Coventry ..	362	"Perfecta" ..	—	142
CYCLE FACTORS.					
CHASE CYCLE CO. .. .. Factors of Tyres, Fittings, and Accessories.	Offices and Warehouse, Snow Hill, Birmingham; Works, George Street Parade, Birmingham	1605 1912	"Leconteur".. -	"Tradergrams" —	222 222
CYCLE FITTINGS MANUFACTURERS.					
BIRMINGHAM SMALL ARMS CO., LTD., THE B.S.A. Cycle Fittings.	Small Heath, Birmingham ..	4388 Three Lines	"Smallarms"	A B C 4th & 5th Ed. Lieber's, Western Union.	—
BRAMPTON BROS., LTD.	Oliver Street, Birmingham..	1644	"Brampton"	—	—
CHASE CYCLE CO. .. .. Makers of Fittings and all kinds of Accessories.	Offices and Warehouse, Snow Hill, Birmingham; Works, George Street Parade, Birmingham	1605 1912	"Leconteur".. —	"Tradergrams" —	222 222
COVENTRY WORKS, LTD. .. .. .. Makers of Cycle Fittings, Brakes, Free Wheels, Saddles, Tubes, Rims, Spokes, and all Component Parts.	Arthur Street, Small Heath, Birmingham	200 "Victoria"	"Thrift" ..	A B C, 5th Ed.	162
MANUFACTURERS' CENTRE, LTD. ..	19, Steelhouse Lane, Birmingham	—	—	—	—
A. SPENCER .. .. Also Manufacturer of Cycles, Cycle Frames, etc.	Coleshill Street, Birmingham	5187	"Spencerian"	A B C, 5th Ed.	281
CYCLE FRAMES MANUFACTURER.					
A. SPENCER .. .. Manufacturer of Cycles, Cycle Frames, Cycle Fittings, etc.	Coleshill Street, Birmingham	5187	"Spencerian"	A B C, 5th Ed.	281
CYCLE PARTS MANUFACTURERS.					
COMPONENTS, LTD. .. .. "Crabbe" and "Liberty" Brakes, "Liberty" Tyres and Parts, Drop Forgings and Stampings.	Bournbrook, Birmingham ..	28 Selly Oak	"Components," Bournbrook, Birmingham	—	263
CYCLE SADDLE MANUFACTURERS.					
J. B. BROOKS & CO., LTD. .. .. Manufacturers of Cycle Saddles, Cycle Tool Bags, etc.	Great Charles St., Birmingham	1213 5174	"Brooks" ..	A1. A B C, 4th Ed., "Tradergrams"	138
LYCETTS' SADDLE & MOTOR ACCESSORIES CO., LTD. .. .. .. Cycle and Motor Saddles, Cycle Tool Bags, Motor Rawhide Belts.	164, Deritend, Birmingham..	1426	"Lycett" ..	A B C, 4th Ed.	172
NATIONAL SADDLE WORKS (F. HANMAN)	Sydenham Rd., Birmingham	70, Sm. Heath	—	—	—

JAMES STEVENS & SON, VICTORIA GLASS WORKS, BIRMINGHAM.

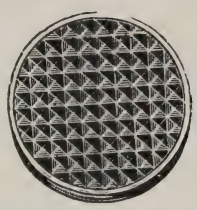


Dioptric Sidelight Lenses, Gold Ruby. Signal Green.

Dioptric Anchor Lenses.



Dioptric Masthead Lenses.



Skylight Glasses

LENSES of every Shape, Size and Colour for Ships' Lanterns.

The Ruby Glass is coloured with Pure Gold. The Green is Signal Green.

RAILWAY LENSES.

Ruby, Green, Flint, or Blue.

RAILWAY LAMP LENSES.

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100

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FRANK BAKER .. .. Seals, Dies, Presses, Stampings, Checks, Tokens, Badges, cast and stamped.	28 & 29, St. Paul's Square, Birmingham	2893 Central	"Naming" ..	—	142
JOHN BERKLEY	8, Livery St., and 21, Albert Street, Birmingham.. ..	05124	"Emboss" ..	—	—
H. B. SALE, LTD. .. .. Dies for Coins, Medals, Labels, Checks, Stationers, Jewellers, and Silversmiths.	Constitution Hill, Birmingham	361	—	—	236
P. VAUGHTON & SONS	Gothic Works, Livery St., Birmingham	05055	"Emblems"..	—	—
W. H. WATHEN & CO.	38, Bishop St., Birmingham ..	1166	—	—	—
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DYNAMOS.					
GENERAL ELECTRIC CO., LTD., THE Motors, Dynamos, Starters, Controllers, Switchgear, etc., for continuous and alternating currents.	Witton, Birmingham	2001 2002	"Polyphase"	A B C Lieber's Engineering Private	186
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WILLIAM GILPIN, SENR., & CO., LTD.	Churchbridge Works, Cannock, Staffs.	7	"Gilpins"	A B C, 4th & 5th Eds.	—
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A. W. WILLS & SON Hoes, Axes, Adzes, Billhooks, Picks, Crowbars, Hatchets, Spuds, Spades, Shovels, and Forks.	Park Mills, Nechells, Birmingham	117 East	"Hoe"	—	196
JOHN YATES & CO., LTD.	Rocky Lane, Aston Manor, Birmingham	2563	"Yatonian"	—	—
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ELECTRICAL FITTINGS MANUFACTURERS.					
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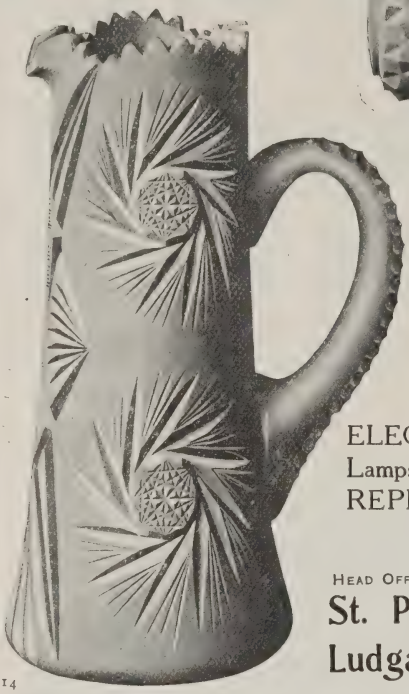

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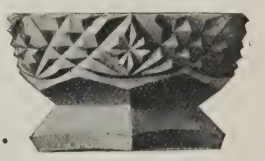

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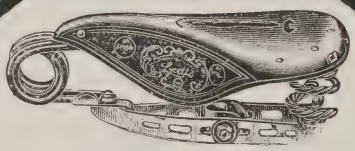

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MORTON & PERKS .. .. Every description of Goods for Home and Colonial Markets.	7, New Spring Street, Birmingham	357	—	—	188
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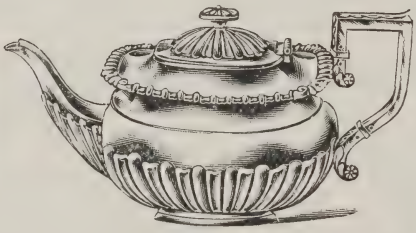

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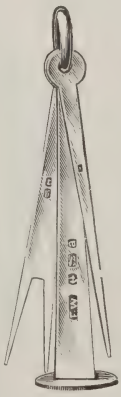

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JOHN HANDS & SONS, LTD. .. .. Presses, Shears, Stamps, Drawbenches, Metal Rolling, Wire-Drawing and Ordnance Machinery.	Cardigan Works, Belmont Row, Birmingham	411	"Machinery"	Private	4
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	Works:— 62, Meriden St., B'ham ..	—	—	—	266
GEO. JONES, LTD. .. .. Rolling Mills, Tube and Wire Drawing Machinery, Shearing Machines, etc.	Lionel St., Birmingham ..	1003	"Rolling" ..	—	285
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E. C. & J. KEAY, LTD.	Prince's Chambers, Corporation Street, Birmingham..	430	"Keay"	—	—
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FRANK BAKER .. .. Name,. Door, etc., Memorial Plates. Hand and Chemical Engraving.	28 & 29, St. Paul's Sq., B'ham.	2893 Cent'al	"Naming" ..	—	142
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WHOLESALE TRADERS' ASSOCIATION, ETC., LTD. For reliable status information.	26, Corporation St., Birmingham	3201	"Poppleton" ..	—	—
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	Sheffield	2787	—	—	—
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BEMROSE & SONS LTD.	Midland Place, Derby	215	"Bemrose" ..	—	218
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F. DOWLER & SONS .. .. Eyelets, Paper Fasteners, Patent Rivet Buttons, Dog Collar Ornaments and Plates, Stud-Eyelets, Belt-Eyelets, etc.	Wainwright Street, Aston Manor, Nr. Birmingham..	107 East	"Dowler" ..	—	200
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FANCY GOODS MANUFACTURERS.					
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MAY & PADMORE, LTD. .. .. .. Manufacturers of Augers, Deacons, and Pickup Patents, Preston's System Openers as Meakin's.	119-123, Leopold Street, Birmingham	670	"Map" ..	—	—
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LUCKMAN & PICKERING .. .. .. All kinds of Soft Felt and Semi-Stiff Hats for Ladies and Gents.	Bedworth, Nr. Nuneaton ..	4 Bedw'h	"Luckman," Bedworth Nuneaton	—	222
HALL & PHILLIPS, LTD. .. .. .. Men's, Ladies' and Children's Hats, Fezzes, Malay Caps, etc. See Advertisement, page 206.	Nuneaton	17	"Hall," Nuneaton	—	206

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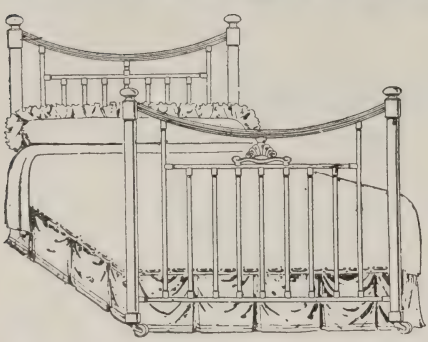

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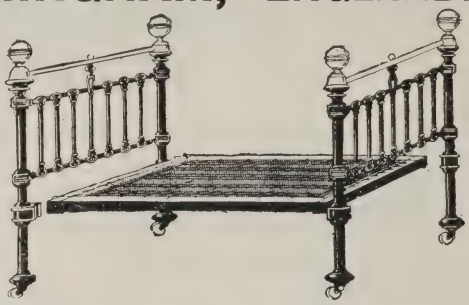

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FELT HATS AND HELMETS.					
VERO & EVERITT, LTD. .. .. .. Every description of Gossamer, Cork, Pith and Felt Helmets, also fancy made-up Goods.	Atherstone	27 x	"Veros" ..	A B C, 5th Ed.	220
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ADDICOTT & HOLLAND .. .. .. All Brass Curbs, Fenders; Black and Brass, Black and Copper, Fire Brasses, Fire Dogs, etc.	58 and 59, Staniforth Street, Birmingham, and at London and Glasgow ..	1678	—	—	194
EDGAR A. J. HOOPER, LTD. .. .. Patent Combination Kerb Suites in Brass and Black and Copper. Fire Screens, Ash Guards.	Eagle Works, Hospital St., Birmingham	607	—	—	136
MATTHEWS & TIMMINGS	Cambridge St. Birmingham..	3763 Central	"Hearth" ..	—	—
NEWEY & HOMER	London Fields Works, Dudley	32	"Fenders" ..	—	—
FENDER AND FIRE BRASS MANUFACTURERS.					
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FERRULES (BRASS).					
THOMAS JOHNSON & SONS .. .. Manufacturers of Ferrules for Fishing Rod Makers.	Whitehouse Street, Aston Road, Birmingham ..	74 y	"Thimbles" ..	—	136
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EDGAR A. J. HOOPER, LTD. .. .. Patent Combination Kerb Suites, in Brass and Black and Copper. Fire Screens, Ash Guards.	Eagle Works, Hospital St., Birmingham	607	—	—	136
FISH-HOOK MANUFACTURERS.					
JOHN JAMES & SONS, LIMITED .. Steel Fish Hooks of every kind for all parts of the World.	Redditch	12	"James" ..	—	218
KIRBY, BEARD & CO., LTD. .. .. Pins, Hair Pins, Needles, Safety Pins, Fish Hooks.	Ravenhurst Works, Bradford Street, Birmingham ..	562	"Kirby".. ..	A B C	192

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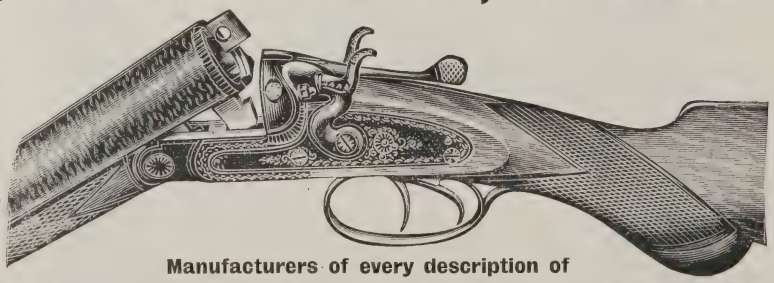

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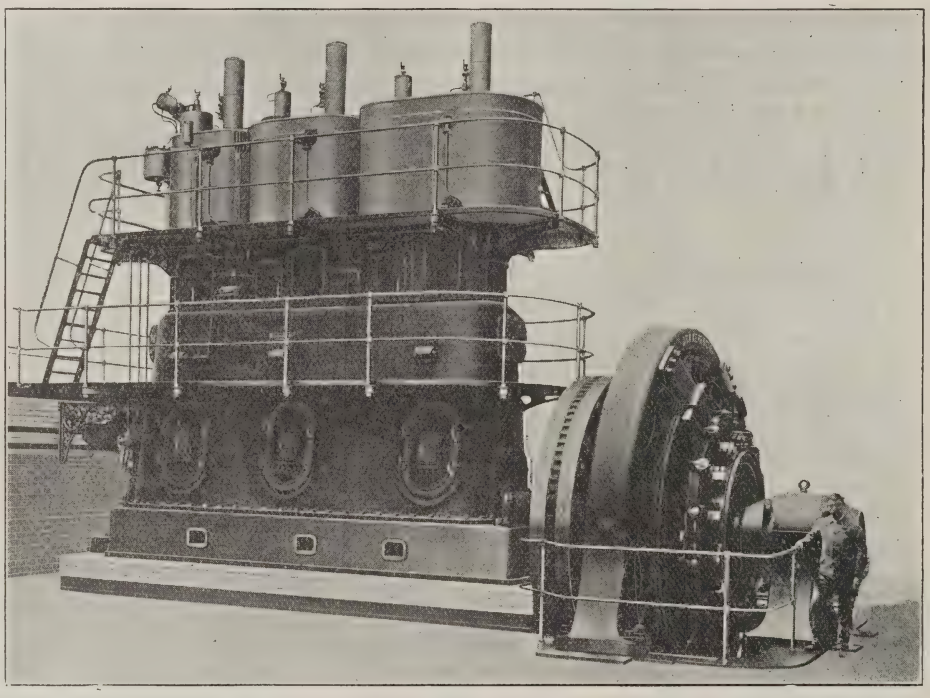

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JOSEPH TOMEY & SONS, LIMITED .. Gauge Glasses, Thermometer, Barometer and all kinds of Glass Tubing.	Catherine St., Aston	915 x East	"Tomey," Aston	Lieber's	281
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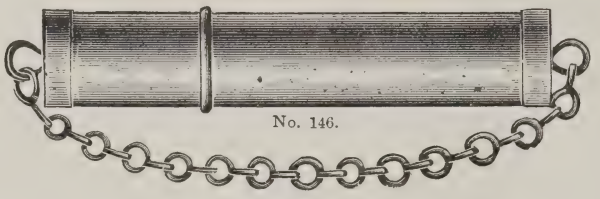

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Cornice Pole Rings, Curtain Rings, Bedstead Rings, etc. Negro Bells, Kaffir Snuff Boxes, Kaffir Blanket Pins, Brass Washers, Coiled Wire, Finger Rings, Umbrella Furniture, etc., etc.

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GENERAL BRASSFOUNDERS.

27

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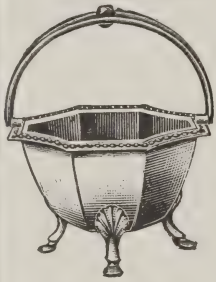

Morton & Perks,

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Of every description for Home and Colonial Markets.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
GLASS BEVELLERS & SILVERERS.					
O. C. HAWKES, LIMITED	Globe Works, Bromsgrove Street, Birmingham ..	509	"Hawkes" ..	—	—
PILKINGTON BROS., LTD. .. .. Silvered, Bevelled and Embossed Plate Glass Manufacturers. Ornamental Glass, Leaded Lights, etc.	Slaney St., Birmingham, and Glass Works, St. Helens, Lancashire	1021	"Pilkington"	A B C. 5th Ed. Lieber's, Premier, A1, West'n Union	—
GLASS CUTTER.					
ARTHUR KOHN .. .. Fancy Vases, Small Wares, Perfume Bottles, Stationers' Sundries, Table Ware. Export lines.	St. Paul's Square, Birmingham	1822	"Crystal" ..	A B C. 5th Ed. West'n Union	172
GLASS MERCHANTS.					
EPHRAIM CUTLER	272, Broad Street, Birmingham	736	—	—	—
MARTIN DUNN .. .. Plate, Sheet, Rolled, etc., Embosser, Silverer, Brilliant Cutter, and Stained Glass Artist.	High St., West Bromwich ..	77	"Dunn" ..	—	190
GLASS AND CHINA MERCHANTS.					
FRED PAYTON .. .. Glass and China for Hotels, Clubs, etc.; also Electro-Plate Manufacturers.	42, Livery St., Birmingham..	67 x	—	—	283
GOLD AND SILVER REFINERS.					
JOHN PADMORE & SONS	Branston St., Birmingham ..	2192	—	—	—
GOLD BRACELET MANUFACTURERS.					
HENRY ALLDAY & SON .. .. .. Makers of Curb and all Fancy Bracelets, etc.	130, Warstone Lane, Birmingham	2426 Central	—	—	—
GOLD CASED CHAIN AND JEWELLERY.					
THOMAS HOPWOOD .. .. Gents' and Ladies' Chains, Bracelets, Lockets, Pendants, Rings, Seals, Medals, Necklets, etc.	25-27, Branston St., Birmingham	—	—	—	144
GOLD CHAIN MANUFACTURERS.					
HENRY ALLDAY & SON .. . Makers of 9, 15, and 18 carat Hall Marked Alberts, Fancy Guards, etc.	130, Warstone Lane, Birmingham	2426 Central	—	—	—
GOLD FILLED CHAINS AND JEWELLERY.					
THOMAS HOPWOOD .. .. Gents' and Ladies' Chains, Bracelets, Lockets, Pendants, Rings, Seals, Medals, Necklets, etc.	25-27, Branston St., Birmingham	—	—	—	144
GOLD AND SILVER PENCIL CASES.					
FRANCIS WEBB, LTD... .. .. .. Silver and Gold Pencil and Picks. Smokers' Novelties, etc.	19 & 20, Gt. Hampton St., Birmingham	12 Jewellers	"Sterling" ..	—	174
GOLD, SILVER, AND PLATINUM CHAIN MANUFACTURERS.					
CHAS. D. BROUGHTON .. .. Guards, Alberts, Necklets, Bracelets. All styles and qualities in Gold, Silver, and Platinum.	21-23, St. Paul's Square, Birmingham	—	"Guards" ..	—	—

AINSWORTH, PEMBROOK & Co., Limited,

(Ainsworth, Taylor & Co. and Pembrook & Dickens, amalgamated),

Falcon Plate Works,

40 & 42, Spencer St., BIRMINGHAM,

Established 1872. ENGLAND.

Case of Afternoon Tea Spoons & Sugar Tongs.

GEORGIAN PATTERN.

We make fifty distinct articles in this simple, chaste design, ranging from a small Salt Spoon to a large Soup Ladle, at prices from the lowest upwards.

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32

D. CLARK & SONS,

PROVIDENCE BUILDINGS, STAFFORD STREET, **WALSALL.**

SOLE MANUFACTURERS OF THE WELL-KNOWN

WHOLESALE BRUSH MANUFACTURERS.

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BRUSHES.

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Leaded Lights and Looking Glasses

In most up-to-date designs a speciality.

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Contractor to British, Colonial & Foreign railway carriage builders & steamship companies.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
GOLDSMITHS.					
S. BLANCKENSEE & SON, LTD. .. .. Constant succession of Novelties in Gem Set Goods. Flexible Bracelets—a Speciality.	Frederick Street, Birmingham 35, Ely Place, London, E.C. ..	Jewellers 40 B'ham 325 Holborn Lond'n	"Bee," B'ham. "Blanckensee," London	A B C	—
T. & J. BRAGG .. .. Manufacturers of 15 and 18 carat Royal Orders, Insignia, Mayoral Chains, Maces, Seals, Caskets, Keys, Swords. By Royal Appointment.	55 to 57, Vittoria Street, Birmingham	Jewellers 46	"Bragoria"	—	—
HENRY GRIFFITH & SONS, LTD. .. Manufacturing Jewellers. Diamond Work, Gem and Signet Rings. 15 carat gold Jewellery. Bracelets, Thimbles, etc.	Warstone Lane, Birmingham	2102	"Jewellers" ..	—	132
W. H. & F. RABONE	49, Frederick St., Birmingham	86 Jewellers	"Anona" ..	A B C	—
D. & L. SPIERS	Standard Works, Vittoria St., Birmingham	Jewellers 82 & 182	"Spiro".. ..	—	6
WILLIAMS (BIRMINGHAM) LTD.... ..	170-178, Hockley St., Birmingham	3642	"Advantage"	A B C, 5th Ed.	164
GOLDSMITHS & SILVERSMITHS.					
WILLIAMS (BIRMINGHAM) LTD.... ..	170-178, Hockley St., Birmingham	3642	"Advantage"	A B C, 5th Ed.	164
GOVERNMENT AND RAILWAY STORES CONTRACTORS.					
ARMSTRONG, STEVENS & SON .. .. Platelayers' Spanners, Waggon and Carriage Stampings, Draw Bar Hooks, Turnbuckles.	Whittall Street, Birmingham	588 Centr'l	"Armstrongs," Birmingham	—	212
GRATE AND RANGE MANUFACTURERS.					
SAMUEL SMITH & SONS, LTD.	Beehive Foundry, Smethwick	57	—	—	—
GUNMAKERS.					
C. C. BONEHILL .. .. Manufacturer of Best, Medium, and Plain (but sound) Guns. Highest intrinsic value.	Belmont Fire-Arms and Gun-Barrel Works, Belmont Row, Birmingham	258x	"Bonehill"	A B C, 4th Edition	Page 3 of cover
WILLIAM CASHMORE	130, Steelhouse Lane, Birmingham	95y	"Extractor"..	—	—
W. W. GREENER..	St. Mary's Square, Birmingham, and 68, Haymarket, London ..	4232 11019 Centr'l	"Greener" .. "Ejector" ..	A B C, 5th Edition A B C, 5th Edition	— —
ROWLAND WATSON	17, Whittall Street, Birmingham	353y1	"Gunnery" ..	—	—
GUN MANUFACTURERS.					
BENTLEY & PLAYFAIR, LTD. .. .. Manufacturers of Sporting Guns and Rifles (wholesale only). Established 1840.	Colmore Works, Birmingham. London, Capetown, and Melbourne.	3090	"Bentplay"	A B C, 5th Ed., and Western Union	4
THOMAS BLAND & SONS .. .. .. Guns, Rifles, Revolvers, Implements. Contractors to H.M. War and India Offices.	41, 42 and 43, Whittall Street, Birmingham,	—	"Bland" ..	A B C, 4th & 5th Eds.	148
	2, King William St., Strand, London	—	"Blandson"..	—	148
J. P. CLABROUGH & JOHNSTONE ..	Price Street, Birmingham ..	1247	"Clabrough"	A B C, 4th & 5th Eds.	—
ROBERT HUGHES & SONS	Moland Street, Birmingham	1135	"Hammerless"	A B C	—
LINCOLN JEFFRIES	121, Steelhouse Lane, Birmingham	271x	—	—	—
GEORGE EDWARD LEWIS	32 and 33, Lower Loveday St., Birmingham	—	"Period" ..	—	—
MIDLAND GUN CO.	Demon Works, 14, Vesey St., Birmingham	5093	"Rifles" ..	A B C, 5th Edition	—

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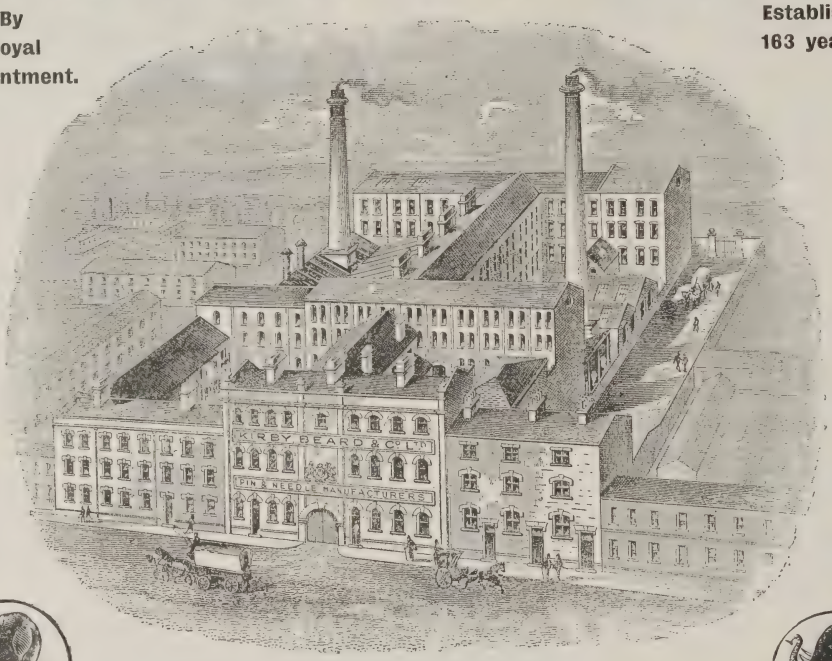
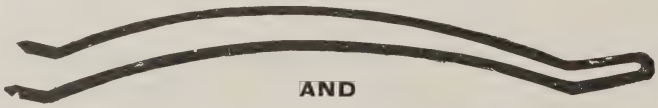


TRADE MARK.

SPECIALITIES :—

THE SCIENTIFIC



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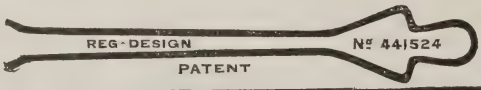
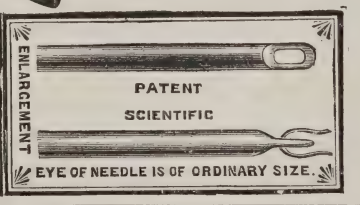
KEEP IN



HAIRPINS

AND
SCIENTIFIC
NEEDLES.

THE SCIENTIFIC NEEDLE is so formed that the eye when threaded only equals the size of the body of the needle & works in consequence most easily & rapidly.



Birmingham, London, Paris, New York, and Montreal.

TRADE INDEX—*continued.*

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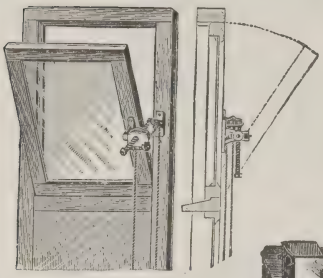
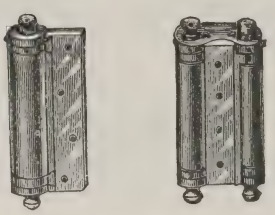
GUN MANUFACTURERS—*contd.*					
WILLIAM POWELL & SON	35, Carr's Lane, Birmingham	2456	"Cartridges"	—	—
F. C. SCOTT	80/81, Bath St., Birmingham	—	"Firearms" ..	—	—
MARTIN SCOTT & SONS, LTD.	13, St. Mary's Row, Birmingham	04414	"Gunshot" ..	—	—
CHARLES SMITH & SONS .. .. .. Sporting, Breech and Muzzle Loading Guns of every description for Home and Export.	Khama Gun Works, 25a, Weaman St., Birmingham	—	—	—	182
STEELHOUSE GUN & CYCLE CO. ..	123, Steelhouse Lane, Birmingham	353x3	—	—	—
WARD & SONS	2, St. Mary's Row, Birmingham	676	"Ward" ..	—	—
FREDK. WILLIAMS .. .. Sporting Guns, specialities for the Home and Colonial Markets. Wholesale only.	32 and 33, Weaman Street, Birmingham	1572	"Williams"	—	—
GUN & RIFLE MANUFACTURERS.					
ISAAC HOLLIS & SONS	Lench Street, Birmingham ..	1559	"Hollis" ..	A B C, 5th Edition	—
WESTLEY RICHARDS & CO., LTD. .. Hammerless Ejector Guns with Patent Hand Detachable Locks and Reliable One-trigger Mechanism.	178, New Bond Street, London, W.	3921 Gerr'rd	"Hammerless," London.	A B C	Page 2 of Cover
	12, Corporation Street, Birmingham.	3417	"Deeley, Birmingham,	A B C	
	Manufactory—Bournbrook, Birmingham	46 Selly Oak	"Detachable"	A B C	
GUN, RIFLE, AND REVOLVER MANUFACTURERS.					
OSBORNE, CHAS., & CO., LTD.	Whittall Street, Birmingham	1541	"Osbornes" ..	A B C, 5th Ed.	234
CHARLES SMITH & SONS .. .. .. Sporting Guns and Rifles for all Markets. Wholesale only.	Khama Gun Works, 25a, Weaman St., Birmingham	—	—	—	182
WEBLEY & SCOTT REVOLVER & ARMS CO., LTD.	Weaman Street, Birmingham	479	"Webley" ..	A B C, 5th Ed.	—
ARTHUR B. WILLIAMS & CO. LTD. .. Makers of all kinds of Guns and Rifles, Revolvers and Ammunition. Home and Export.	13, Weaman Street, Birmingham	1657	"Nipples," Birmingham	A B C, 5th Ed.	216
GUN ACTION MANUFACTURER.					
T. D. CROSS	Vesey Street, Birmingham..	1490	—	—	—
GUN IMPLEMENTS.					
CHARLES SMITH & SONS .. .. Gun Cases and Implements of every description. Wholesale only.	Khama Gun Works, 25a, Weaman St., Birmingham	—	—	—	182
HABERDASHERS & FANCY GOODS DEALERS (WHOLESALE).					
JEVONS & MELLOR	Minories, Birmingham ..	1074	"Jevons" ..	—	—
HAIR CURLER MANUFACTURERS.					
GEORGE GOODMAN, LTD. .. .. .. Braided Lead. Trade Marks—"Queen Bess," "Empire," "Windsor," etc.	80 to 85, Caroline Street, Birmingham	3283	"Pins"	A B C, 5th Ed.	240
HAIRPIN MANUFACTURERS.					
KIRBY, BEARD & CO., LTD. .. .. Pins, Safety Pins, Hairpins, Needles and Fish Hooks.	Ravenhurst Works, Bradford Street, Birmingham ..	562	"Kirby".. ..	A B C	192
HAMMER MANUFACTURERS.					
CHARLES THOMAS & CO., LTD. ..	Wainwright Street, Aston Manor, Birmingham ..	2661	"Pickaxe" ..	A B C, 4th Ed.	—

WILLIAM NEWMAN & SONS, Ltd.,

Door Spring Manufacturers and General Brassfounders,
Hospital Street, BIRMINGHAM.



The "Newland" Patent Fanlight Opener, No. 870.



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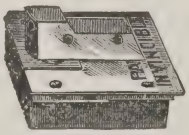
130. 132.



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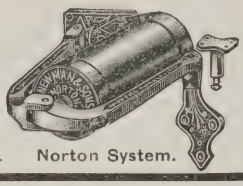
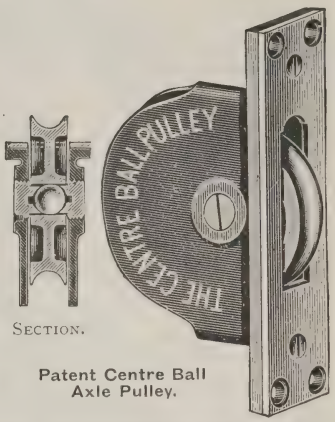


Norton System.



SECTION.

Patent Centre Ball Axle Pulley.

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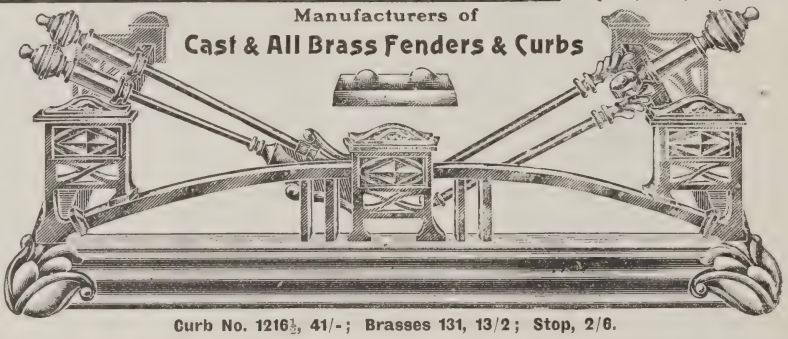
ADDICOTT & HOLLAND,

Patentees of . . Steel & Brass Fenders & Curbs,

Manufacturers of
Cast & All Brass Fenders & Curbs



Ash Pans,
Fire Dogs,
Fire Brasses,
Fire Screens,
&c.

Curb No. 1216½, 41/-; Brasses 131, 13/2; Stop, 2/6.

Staniforth Works, 58 & 59, Staniforth St., BIRMINGHAM.

78 Telephone No. 1678.

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
HARDWOOD MERCHANTS.					
JOSEPH GARDNER & SONS	13, Westminster Road, Handsworth, Birmingham ..	—	"Gardner" ..	—	—
HARNESS MANUFACTURERS.					
WILLIAM LUKE & CO. .. .. .. Carriage, Mule, Cart, Buggy, etc. Specialty—Cape Harness.	St. George's Place, Gt. Hampton Row, Birmingham ..	—	—	—	216
WM. SHAMMON & SONS .. .. .. Also Manufacturers of Whips and all kinds of General Saddlery.	Moseley Street, Birmingham	1330	"Shammon" ..	—	220
HAT MANUFACTURERS.					
HALL & PHILLIPS, LTD. .. .. .. Men's, Ladies', and Children's Hats, Fezzes, Malay Caps, etc. See advertisement, page 206.	Nuneaton	17	"Hall," Nuneaton ..	—	206
LUCKMAN & PICKERING .. . .. Soft Felt and Semi-Stiff Wool Felt Hats.	Bedworth, nr. Nuneaton ..	4 Bedworth	"Luckman," Bedworth, Nuneaton ..	—	222
WARWICKSHIRE FELT HAT MANUFACTURERS' ASSOCIATION (Secretary, C. A. PHILLIPS) ..	Abbey Mills, Nuneaton ..	17	—	—	—
HAT AND HELMET MANUFACTURERS.					
VERO & EVERITT, LTD. .. .. .. Felt Hats of every description, Gossamer, Cork, Pith, and Felt Helmets, also fancy made-up goods.	Atherstone	27x	"Veros" ..	A B C, 5th Edition.	220
HAT AND COAT HOOK MANUFACTURERS.					
THE EMPIRE HOOK CO. .. .. .. Steel Wire and Wrought Iron for Schools.	185, Brearley Street, Birmingham	395x	—	—	216
HEALTH FOOD SPECIALISTS AND MANUFACTURERS.					
PITMAN HEALTH FOOD CO.	Corporation St., Birmingham	826	"Pitman" Stores	—	—
HEATING ENGINEERS.					
JABEZ ATTWOOD	Foster Street, Stourbridge ..	—	"Attwoods" ..	—	—
JONES & ATTWOOD	Stourbridge	10	"Heat" ..	—	—
HELMETS AND HATS.					
VERO & EVERITT, LTD. .. .. .. Felt Hats of every description, Gossamer, Cork, Pith, and Felt Helmets, also fancy made-up goods.	Atherstone	27x	"Veros" ..	A B C, 5th Edition.	220
HIDE, SKIN AND LEATHER FACTORS.					
J. CAPES, TARBOTTON & NEPHEW ..	109, Weaman St., Birmingham	1258	"Tarbotton" ..	—	—
HINGE MANUFACTURERS.					
JAMES COLLINS .. .. Patentee and original maker of the well-known "Arrow" machine-made Butts.	Cumberland St., Birmingham	720	"Cumberland"	A B C	262
GOLD & CO. .. .. Iron and Steel Patent Wrought Butt, Tee and Gate Hinges, Hasps, etc.	Love Lane, Birmingham ..	1878	"Hinges" ..	—	—
ROWLAND HODGES .. .. Lock-Joint Butts, Screen, Steel-Washered, Rising, Motor Hinges and Fittings.	12, Frederick Street, Birmingham	2341	"Fanlights" .	—	238

Telegraphic Address: "HOE, BIRMINGHAM." Telephone 117 Aston.

A. W. WILLS & SON,

Manufacturers of all kinds of

Plantation Hoes, Picks, and Adzes with Solid Eyes.

Trade Mark

Registered.

Also

AXES, HATCHETS, BARS, BILL-HOOKS, CALABOZOS, CANE KNIVES, MATCHETS, SERPETTES, MATTOCKS, PLOUGH-POINTS, COFFEE-DIGGERS, SHOVELS, SPADES, SPUDS, SOCKET-SHOVELS, and WEDGES.

Orders or Enquiries through Merchants only.

Park Mills, Nechells, BIRMINGHAM.

10

Chance & Hunt, Ltd.

CHEMICAL MANUFACTURERS,

OLDBURY, ENGLAND.

Muriate of Ammonia.
Salammoniac.
Carbonate of Ammonia.
Liquor Ammonia (All Strengths).

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BRAND.

Caustic Soda.
Soda Ash.
Soda Crystals.
Sulphur.
Sulphuric Acid.
Muriatic Acid.

Communications made direct to the Firm will receive prompt attention, and Buyers will be put into communication with our nearest Agent.

Cables: "Chemicals, Oldbury."

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TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
HINGE MANUFACTURERS—*contd.*					
JONES & BARCLAY .. .. Single pressed, Lock Joint, and every description of Cast Hinges.	63, Bath Row, Birmingham	Centr'l 513	—	—	214
F. E. MARTINEAU & CO. .. .. .. Hinges (Iron, Steel, and Brass), Machine-made, and Heavy Hand-made Wrought.	14, Newtown Row, Birmingham	—	"Mikado" ..	A B C, 4th Edition.	182
WALKER & WOODWARD .. .. .. All kinds of Cast Hinges suitable for Cabinet Makers, Builders and Ships' Work.	Legge Lane, Birmingham ..	2224	"Walker" ..	—	283
HINGE (BRASS) MANUFACTURERS.					
WM. ADCOCK .. .. Solid-joint, Machine-made (Brampton's Patent) Saw Brand. Improved side seat hinges.	Stafford Works, St. Clement's Road, Nechells, Birmingham	East 67	—	—	234
ROBERT MANSELL & SON .. .. Every description of Cast Brass Hinges, S.W. Butts, and Cabinet Hinges.	9 & 10, Whittall Street, Birmingham	1509	"Despatch"..	—	264
F. E. MARTINEAU & CO. .. .. .. Also Manufacturers of Iron and Steel, Machine-made and Heavy Hand-made Wrought Hinges.	14, Newtown Row, Birmingham	—	"Mikado" ..	A B C, 4th Ed.	182
HINGES (HAND-MADE).					
F. E. MARTINEAU & CO. .. .. .. Manufacturers of Heavy Hand-made Wrought Hinges, also Machine-made, in Iron, Steel, and Brass.	14, Newtown Row, Birmingham	—	"Mikado" ..	A B C, 4th Ed.	182
HOE AND ADZE MANUFACTURERS.					
RALPH MARTINDALE & CO., LTD. .. Hoes, Adzes, Loop Adzes, Matchets, Cane Knives, Plantation Tools of every description.	Crocodile Works, Birmingham	6 Northern, Birmingh'm	"Crocodile"..	A B C	264
A. W. WILLS & SON .. .. Solid Eye Hoes and Adzes of every description and pattern a speciality.	Park Mills, Nechells, Birmingham	117 East	"Hoe"	—	196
HOLLOW-WARE MANUFACTURERS.					
PICKBURN & CO.	A B C Works, Northumberland Street, Birmingham..	139 East	"Pickburn" ..	—	—
ERNEST STEVENS	Stour Works, Cradley Heath, Staffs.	5	—	—	—
HOLLOW-WARE (Enamelled) MANUFACTURERS.					
T. C. ADAMS & CO.	226, Station Street, Birmingham	202y	"Attached"..	—	—
T. & C. CLARK & CO. (Est. 1795) .. Original Patentees of Enamel for lining Cooking Vessels free from lead, etc.	Shakespeare Foundry, Wolverhampton	—	"Clark" ..	—	228
HOLLOW-WARE (Galvanized) MANUFACTURERS.					
LUDLOW BROS., LTD. .. .. .. Buckets, Baths, Barrows, Basins, Water Cans, Dust Bins, Fry Pans, Kettles.	Palmer Street, Birmingham	235	"Ludlow" ..	—	18
WALLS LTD. .. .. Galvanized Hollow-ware, Buckets, etc.	Fazeley Street, Birmingham	582	"Brazier" ..	A B C, 5th Ed.	294
HOLLOW-WARE STAMPERS.					
THOMAS H. HILL & SONS, LTD. .. Wrought Steel Rice Bowls, Kaffir Pots, Danish Pots, Camp Ovens, Stove Kettles.	Astræa Works, Thomas St., Wolverhampton	365	"Tinware"..	—	222

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HOLLOW-WARE (Wrought-iron) MANUFACTURERS.					
W. RANDLE & CO.	117, Granville Street, Birmingham	—	—	—	—
JOSEPH SANKEY & SONS, LTD. .. Also Iron and Steel Sheet Manufacturers, General Stampers, Enamellers, etc.	Albert Street Works, Bilston	5	"Sankey" ..	—	226
HOOK AND EYE MANUFACTURERS.					
GEORGE GOODMAN, LTD. .. .. .. Dress, Mantle, and "Empire" Spring Steel Robing for Home and Export.	80 to 85, Caroline Street, Birmingham	3283	"Pins"	A B C, 5th Ed.	240
HEATON & DUGARD .. .. Jack Chain, Curtain and Ess Hooks, Bent Wire Goods in great variety.	Shadwell Street, Birmingham	39	"Heagard" ..	—	268
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WILLIAM NUTTING	1 & 2, Smallbrook Street, Birmingham	—	—	—	—
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THOMAS HOPWOOD .. .. Gents' and Ladies' Chains, Bracelets, Lockets, Pendants, Rings, Seals, Medals, Necklets, etc.	25 to 27, Branston Street, Birmingham	—	—	—	144
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WHOLESALE TRADERS' ASSOCIATION, ETC., LTD. Creditors' interests protected.	26, Corporation Street, Birmingham	3201	"Poppleton"	—	—
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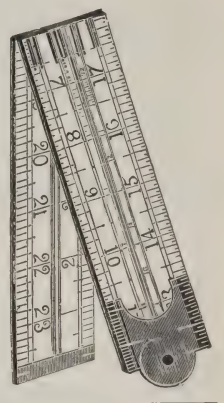

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T. BARNFIELD & CO. .. .. .. Wicker Invalid and Spinal Carriages of all descriptions. Mail Carts, Perambulators.	Scarboro' Works, Conybere Street, Birmingham ..	2023	—	—	204
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PATENT RIVET CO., LTD. .. .. .. Bars in Rounds, Squares, Flats, Ovals, every quality, Iron or Steel.	Anchor Works, Smethwick..	112	"Privet" ..	A B C, 5th Ed.	140
IRON & STEEL MANUFACTURERS.					
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THE DISTRICT IRON & STEEL CO., LTD.	District Works, Smethwick..	27 117	"District" ..	A B C, 4th & 5th Ed.	—
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CRUDGINGTON, STANDISH & MITCHELL	8, Cherry St., Birmingham ..	2131	"Forgings" ..	—	—
JOHN ELWELL	Sherbourne Street, Birmingham	733	"Sections" ..	—	—
SUTTON & ASH	41-42, Snow Hill, Birmingham	82	"Elf"	—	—
A. P. TOWNSEND	5½, Broad St., Birmingham..	1477 & 2179	"Bessemer"..	—	—
JOHN WALSH & CO.	Winchester House, Victoria Square, Birmingham ..	3822	"Square" ..	—	—
JOS. WARDEN & SONS	13, Broad Street, Birmingham	457	"Railway" ..	—	—
IRON AND STEEL MERCHANTS AND STEEL CONSTRUCTIONAL ENGINEERS.					
CHARLES WADE & CO.	Midland Iron Works, Aston Road, Birmingham	237 and 1952	"Wade," B'gham ..	A B C, 5th Ed.	—
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JOSEPH SANKEY & SONS, LTD. .. Also General Stampers, Art Metal Workers, Hollow-ware Manufacturers, etc.	Albert St. Works, Bilston ..	5	"Sankey" ..	—	226
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T. & C. CLARK & CO. .. .. .. Also Manufacturers of Enamelled Hollow-ware, Tinned Hollow-ware (both Cast and Wrought), etc.	Shakespeare Foundry, Wolverhampton	—	"Clark" ..	—	228
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J. C. DALMAN & CO.	Chunk Foundry, River St., Birmingham	624	"Dalman" ..	—	—

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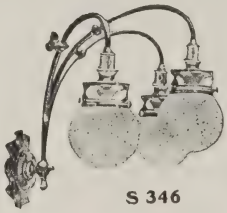

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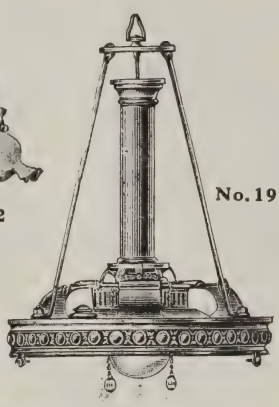

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GROSVENOR FOUNDRY .. .. .. (W. J. Standley, Proprietor.) Established 1820 (late Geo. Rathbone). Castings of every description.	5-8, Grosvenor St., Coleshill St., Birmingham	4159	—	—	152
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JOHN HARPER & CO., LTD.	Albion Works, Willenhall ..	12	"Harpers" ..	—	—
HASSALL & SINGLETON, LIMITED ..	Phœnix Foundry, Freeman Street, Birmingham.. ..	3214	"Hassalls" ..	—	—
GEO. JONES, LTD. .. .. Engineers' and General Castings, Chilled and Grain Rolls, Machine Moulded Gear Wheels, Ingot Moulds, Dies, etc.	Lionel Street, Birmingham..	1003	"Rolling" ..	—	285
WILLIAM JONES & SONS, LTD.	Cecil Street, Birmingham ..	804	"Malleable"..	—	—
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E. WHITFIELD & SON	King's Road, Hay Mills, Nr. Birmingham	3302	"Strength, Haymills"	—	—
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THOS. CLIVE & SON .. .. Malleable Castings of every description and for all Trades. Large or small quantities, 1 oz. to 5 cwt.	Staniforth Street, Birmingham	04937	"Clive" ..	—	194
THOMAS FRANCIS & COMPANY, LTD.	Lion Works, Sparkbrook, Birmingham	Small Heath 142	"Francis" ..	—	—
GROSVENOR FOUNDRY .. .. .. (W. J. Standley, Proprietor.) Castings of every description, Crucible work only. (Established 1820.)	5-8, Grosvenor St., Coleshill, Street, Birmingham ..	4159	—	—	152
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	41, Oswald Street, Glasgow	1945 1946 1947 Argyle	"Lapweld," Glasgow	—	8
JAPANNERS.					
THOS. H. HILL & SONS, LTD. Trunks, Coal Vases, Deed Boxes, Baths, and all kinds of Japanned Ware.	Astræa Works, Thomas St., Wolverhampton	365	"Tinware"	—	222
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SEAGER & CO.	Carlton Works, Bilston	—	—	—	—
JAPANNERS AND STAMPERS.					
TAYLOR, LAW & CO. Trunks, Baths, Deed & Cash Boxes, Water Cans, Insecticide & Sulphur Sprayers. Write for Catalogue.	Anchor Works, Adam St., Birmingham	3112	"Haloo"	—	279
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J. ASHFORD & SON, LTD.	79, Spencer Street, Birmingham	20 Jewellers.	"Ivory"	—	—
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HEMMING & HAZLEWOOD	60, Spencer St., Birmingham	—	"Swivels"	—	—
C. H. JOHNSTONE & CO.	38, Northampton Street, Birmingham	2122	"Sleevelinks"	—	—
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F. MARSON	109, Spencer St., Birmingham	178 Jewellers.	—	—	—
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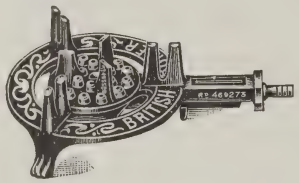

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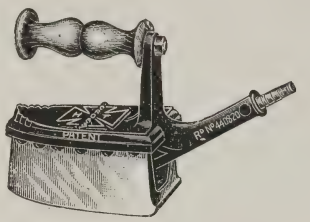

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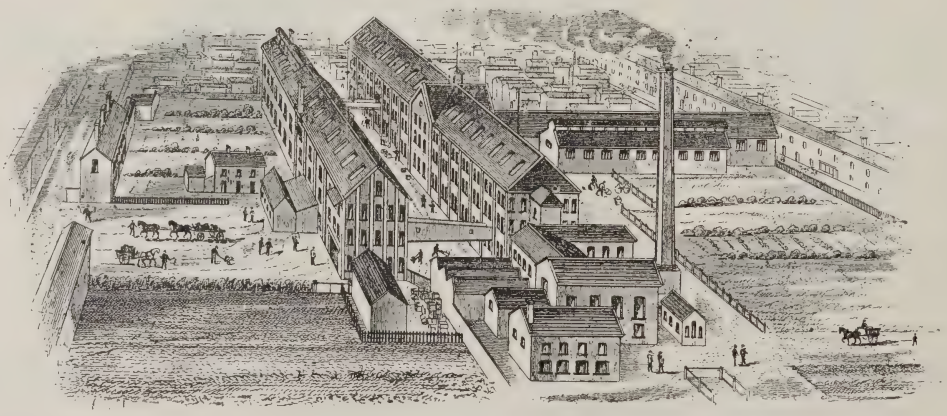

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PAYTON, PEPPER & SONS, LTD. ..	3-5, Vyse Street, Birmingham	7 Jewellers.	"Pepper" ..	A B C	—
D. & L. SPIERS	Standard Works, Vittoria St., Birmingham	Jewellers. 82 & 182	"Spiro" ..	—	6
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JOHN M. BANKS	6, Northampton Street, Birmingham	4015	"Brilliants"	—	—
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I. S. GREENBERG & CO.	125/6, Great Hampton Street, Birmingham	2311	"Greenberg"	A B C	—
WM. J. HOLMES	173, Hockley Hill, Birmingham	2216	"Semloh" ..	—	—
LEWIS BROS.	35, Hall Street, Birmingham	3929	"Alert"	—	—
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FRANCIS HILL .. .. Japanned and Galvanised Hollow-ware, Watering Pots, Coal Scoops, Baths, Buckets, etc.	Belmont Works, Birmingham	1037	"Nonpareil"	—	178
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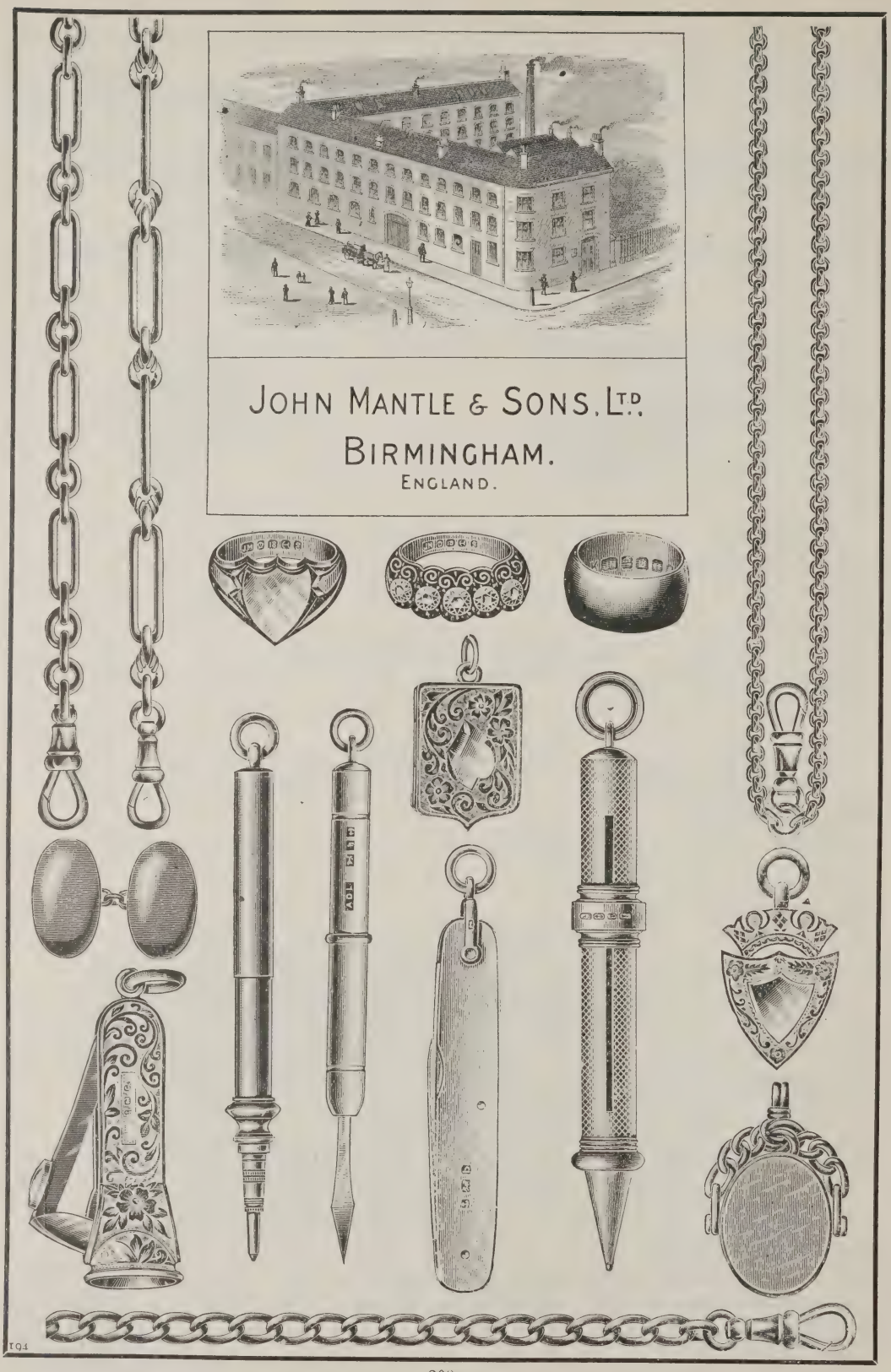
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LADIES' AND CHILDREN'S OUTFITTERS.					
C. FERNIE & SON	64, New Street, Birmingham	5178	"Fernie" ..	—	—
LADIES' BELTS AND HAND BAGS.					
HAMMOND, TURNER & SONS, LTD. .. Patent "Amazon" and "Court" Belts in Metal, Metal and Leather combined, E.P., N.S., Silver, etc.	Summer Hill, Birmingham	2106	"Lion"	A B C	6
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T. E. BLADON & SON .. .. Ship, Railway, and Hand Lanterns. All kinds of Oil Feeders. Contractors to War Office.	99 and 101, Northwood Street, Birmingham	—	"Bladon" ..	—	—
PARKINSON & W. & B. COWAN, LTD. Lamps for Improved Street Lighting for either Incandescent, Gas, or Oil.	Bell Barn Road, Birmingham	1101	"Gasmeters"	A1	—
POWELL & HANMER, LTD.	Chester Street, Birmingham	2624	"Horoscope"	—	—
RIPPINGILLE'S ALBION LAMP CO., LTD.	Aston Road, Birmingham ..	2528	"Sunrise" ..	—	—
LAMP AND ELECTRIC FITTINGS MANUFACTURERS.					
JAMES HINKS & SON, LTD.	91-96, Great Hampton Street, Birmingham	2150	"Hinks" ..	—	—
LAMP LENSES.					
JAMES STEVENS & SON .. .. .. Glass Manufacturers. Makers of Lenses for Pavement Lights, Ship and Railway Lamps, etc.	Victoria Glass Works, Dartmouth Street, Birmingham	455	"Lens"	—	166
LAMPS AND LANTERNS.					
DUNN & TAYLOR .. .. Cash Boxes. Speciality—Duntafil Cart Lamps.	Burbury Street, Birmingham	3720	—	—	277
A. W. SANDERSON & CO.	206, Barford St., Birmingham	—	"Sandy" ..	—	—
LAMP (Railway) MANUFACTURERS.					
JONES & FOSTER	39, Bloomsbury Street, Birmingham	2611	"Crucible" ..	—	—
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PLAYER & MITCHELL	Attwood Passage, Cambridge Street, Birmingham ..	1584	"Baynton" ..	—	—
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LATHES.					
T. NORTON & CO. .. .. Makers of Polishing, Brassfounders', and Spinning Lathes; also Fly, Foot, and Power Presses.	28, Carver St., Birmingham	6x Central	—	—	291
LEAD, PIPE, AND WIRE DRAWERS.					
A. D. FOULKES, LTD.	Lionel Street, Birmingham ..	1274	"Lavatory" ..	—	—
LEATHER MERCHANTS.					
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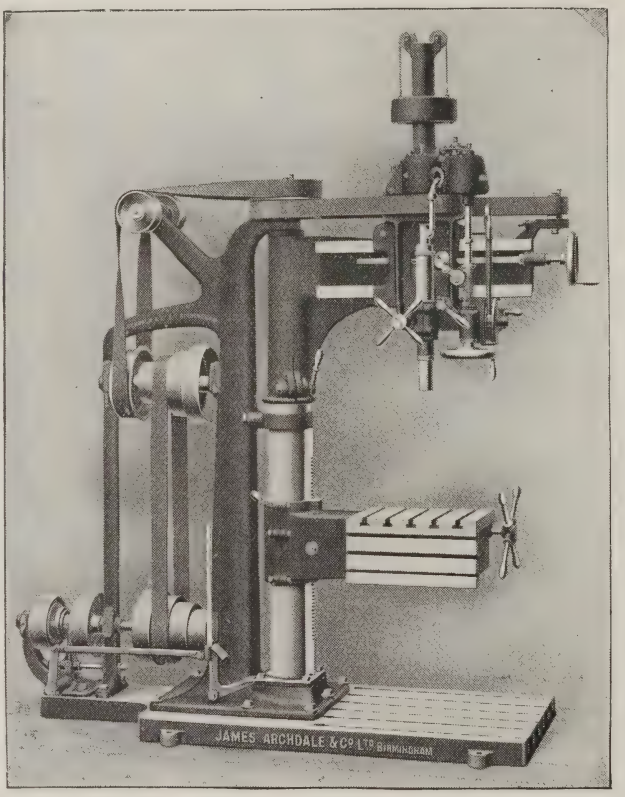

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RICHARD WHEATLEY & SON .. .. Pocket Books, Wallets, Correspondence, Glove, Handkerchief, and Brush Cases, Collar Boxes, etc.	93, Spencer Street, and 30, Hockley St., Birmingham	Jewellers. 0468	"Wheatley"	—	150
HERBERT O. WORRALL & CO., LTD. ..	113, Bromsgrove Street, Birmingham	4315 Centr'l	"Seaport" ..	—	—
LETTER CUTTERS.					
FRANK BAKER .. .. Brands, Steel Punches, Rollers and Blocks for ornamenting leather, etc.	28-29, St. Paul's Square, Birmingham	2893 Centr'l	"Naming" ..	—	142
H. B. SALE, LTD. .. .. Steel Punches, Brands, Name Punches. Speciality :—Steel Rolls and Watch Movement Work.	Constitution Hill, Birmingham	361	—	—	236
LETTER-FILING APPLIANCES MANUFACTURERS.					
THE LETTER-FILING APPLIANCES CO.	25, Masshouse Lane, Dale End, Birmingham	3058 Centr'l	"Letterfile"..	—	—
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JAMES CARTLAND & SON, LTD. .. All kinds of Lock and Bell Furniture in Brass, Wood, China, and Glass.	Birmingham .. .. 57, Holborn Viaduct, London, E.C.	94 & 5200 1865 Holborn	"Cartland '.. "Cartland' ..	A B C, 4th & 5th Ed.	272
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MARTIN DUNN .. .. Overmantels and Toilets, etc. Mirrors for Shop Fitting Trades. Home and Export.	High Street, West Bromwich	77	"Dunn" ..	—	190
WILLIAM PEARCE LTD. .. .. .. Also Bevelled and Silvered Plate Glass. Ecclesiastical and Domestic Stained and Leaded Glass, etc.	Bridge Street, Broad Street, Birmingham	371	"Glass" ..	A B C, 4th & 5th Ed.	292
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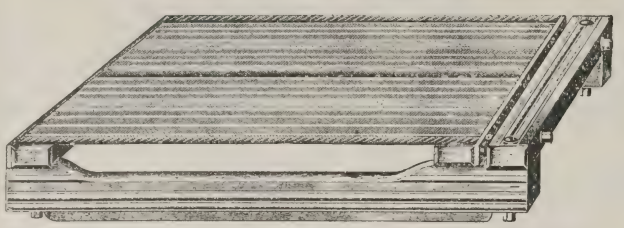

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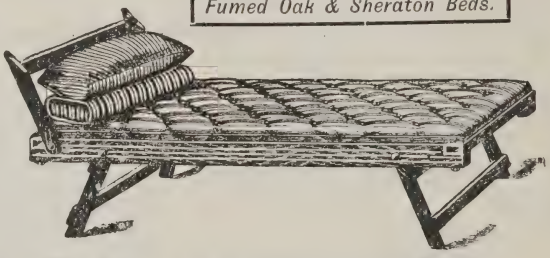

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MALTSTERS.					
J. & C. H. EVANS & CO., LTD.	Avenue Road, Aston, Birmingham	369	"Barley" ..	—	—
MANILLA AND HEMP ROPES, AND CORDAGE.					
JOHN & EDWIN WRIGHT, LTD. .. .. Also Twines, Tarpaulins, Wagon Covers, Binder Twine.	Universe Works, Birmingham	707	"Universe" ..	A B C	218
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MATCHET AND CUTLASS MANUFACTURERS.					
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GEORGE LANE & SONS .. .. .. Woven Wire and Chain Spring Mattresses, Combination Spring Bedsteads, Wood Bedsteads, Bedding of every description.	Sterling Works, Brueton St., Birmingham	1198	"Bedding, Birmingham"	A B C 5th Edition	212
MEASURING TAPES MANUFACTURERS.					
JAMES BEDINGTON & SON	45-49, Northwood Street, Birmingham	4876	"Bedington"	—	—
MEAT SALESMEN.					
WILLIS BROS.	City Meat Market, Birmingham	1975	—	—	—
ARTHUR F. ROBOTHAM	City Meat Market, Birmingham	2852	"Arturo" ..	—	—
SLATTERY BROS.	City Meat Market, Birmingham	3772	"Slattery" ..	—	—
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FRED PAYTON .. .. Speciality—Glass and China for Hotels, etc. Electro-plated Goods, etc.	42, Livery St., Birmingham ..	67x	—	—	283

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L. SCOTT-ROBERTSON & CO.	56, Summer Row, Birmingham	356y	"Schedule"	—	—
ADOLPH SCOTT	49, Vyse St., Birmingham	4502 Centr'l	"Adolph," Birmingham	A B C, 4th Ed.	—
PURCELL WILSON	12, Albert St., Birmingham	5062	"Coopers," Albert St.	A B C	—
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FREDERICK BLOOD & CO. Bedsteads, Fenders, Bicycles, Ironfoundry, Brassfoundry, Tinware, Locks, Clocks, Trunks, Mail Carts, Enamelled Ware.	32, Charlotte Street, Birmingham	3288	"Bloods"	A B C, 5th Ed.	—
HOODS, LTD.	International Exchange, Edmund St., Birmingham	277	"Hood"	—	—
NEWMAN & FIELD	Moseley Street, Birmingham	1186	"Maritime"	—	—
WM. ROBERTS & CO. (BIRMINGHAM) LTD.	27, Summer Row, Birmingham	350	"Roberts"	—	—
MERCHANT AND AGENT (CONTINENTAL).					
C. A. STRASSER	Guildhall Buildings, Navigation St., Birmingham	950	"Strasser"	—	—
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ALFRED FIELD & CO.	77, Edmund St., Birmingham	1264	"Field"	A B C, 4th & 5th Ed., Lieber's, A1, Western Uni'n	—
MERCHANTS (Export).					
ALTENDORF & WRIGHT	Vesey St., Birmingham	1076	"Altendorf"	—	—
V. & R. BLAKEMORE	Charlotte St., Birmingham	—	"Blakemore"	—	—
BOURNE, GRAHAM & FELL	65 & 66, Ludgate Hill, Birmingham	1994	"Arroyo"	A B C, 4th & 5th Ed., Lieber's, Private.	—
DUSSAULT, CHOVIL & CO.	38, Summer Row, Birmingham	04405	"Dussault"	A1, A B C, 4th & 5th Eds., and Lieber's.	—
GERWIN & CO.	Summer Row, Birmingham	1140	"Gerwin"	A B C, 1st, 3rd, & 5th Eds., Lieber's.	—
GOODWIN & CO.	Fleet Street, Birmingham	3983	"Boomerang"	A B C, 5th Ed. & Private.	—
GOTSCHER & CO.	94, Lionel St., Birmingham	1012	"Gotscher"	A B C, 4th & 5th Ed., Lieber's, Premier.	—
G. GOTTSCHALK & CO.	34, Newhall Hill, Birmingham	2318	"Gottschalk"	—	—
HILLS, MENKE & CO.	154, Gt. Charles Street, Birmingham	598	"Euphrates"	A B C, 4th & 5th Ed., Lieber's.	—
L. T. H. HIORTH	Broad Road, Acocks Green, Birmingham	—	—	—	—
HOPKINS, CAUSER & HOPKINS	48, St. Paul's Square, Birmingham	—	"Causer"	—	—
HOYER, WIDEMAN & CO.	Newhall Hill	328y	"Smartly"	A B C	—
KANNREUTHER & CO., LTD.	66, Parade, Birmingham	836	"Kannreuther"	A B C, 5th Ed., A1.	—
KEEP BROTHERS	35 & 36, Great Charles Street, Birmingham	1483 & 3159	"Keep"	A B C, 5th Ed.	—
LANDER & LARSSON	164, Edmund Street, Birmingham	676	"Lander"	Lieber's, A B C, 4th & 5th Ed., Private.	—
C. H. LAUBENBURG & CO.	58, Cambridge St., Birmingham	625	"Laubenburg"	A B C	—
LINDNER & CO., LTD.	25, Broad St., Birmingham	1569	"Lindner"	A B C, 5th Ed., Lieber's.	—
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CHARLES MASCHWITZ, JUNR.	18, Newhall Hill, Birmingham	1565	"Maschwitz"	A1, A B C, 4th & 5th Ed., W. Staudt & O. Hundius, Lieber's.	—
H. L. MULLER & CO.	22, Mary Ann Street, Birmingham	—	—	—	—
ENRIQUE PAYTON, LTD.	14, St. Paul's Square, Birmingham	96	"Payton"	A1.	—
TH. W. PETERSEN & CO., LIMITED	26 and 27, Newhall Hill, Birmingham	507 & 1652	"Petersen"	A B C, 5th Ed., A1, Lieber's.	—
RABONE BROTHERS & CO.	297-299, Broad Street, Birmingham	1090	"Rabones"	—	—
SCHÄFFER HAHN & BEHRENS	28 D. & E., Ludgate Hill, Birmingham	1244 Centr'l	"Schæffer"	A B C, 5th Ed.	—
SCHOLEFIELD, GOODMAN & SONS	135, Edmund Street, Birmingham	290	"Scholefield"	—	—
HERMANN SCHÜRHOFF & CO.	17, St. Paul's Sq., Birmingham	2997	"Schüroff"	—	—
JOSEPH SHORE & SON	Birmingham	—	—	—	265
R. A. SHORE, Merchant	Lisbon	—	—	—	—
SHOWELLS & KATZ, LTD. East India and China Merchants.	38, John Bright Street, Birmingham	408	"Katz"	A B C, 5th Ed., Whitelaw's cyphers, Western Uni'n	—
WM. THOMPSON	149, Great Charles Street, Birmingham		"Supreme"	—	—
WARDEN & HOTCHKISS, LTD.	41, Clement St., Birmingham	1393	"Wardkiss"	A B C, 5th Ed.	—
WEISS BROTHERS	14, Broad St., Birmingham	2364	"Weiss"	—	—
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BAGNALL BROS.	12, Great Hampton Street, Birmingham	2771	—	—	—
FREDERICK BLOOD & CO. Hardware. Cast and Stamped Hollow-ware. Enamelled Ware. Tin Ware. Japanned Ware. Iron-foundry. Brass-foundry.	32, Charlotte St., Birmingham	3288	"Bloods"	A B C, 5th Ed.	—
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B. & S. H. THOMPSON, LTD.	155, Great Charles Street, Birmingham	1119	"Thompson"	A B C, 4th & 5th Eds., A1, Lieber's, Western Uni'n	—
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CHAS. RYLAND & SON	Exchange Buildings, Birmingham	1285	—	—	—
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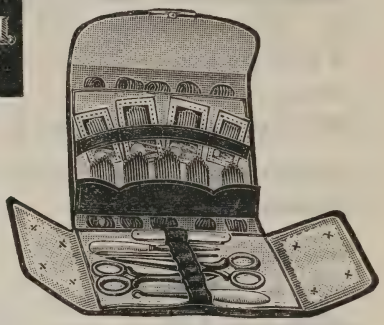

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BIRMINGHAM BATTERY & METAL CO., LTD. Brass & Copper Tubes, Sheets, Wire, etc. Yellow Metal Plates and Rods.	Selly Oak, Birmingham	Selly Oak 51 & 52 4525 4526 4527	"Battery," Selly Oak	A B C, A 1.	164
EARLE, BOURNE & CO., LTD.	Heath St. South, Birmingham		"Tubing"	A B C, 4th & 5th Ed.	—
ELLIOTT'S METAL CO., LTD.	83, Colmore Row, Birmingham	61a	"Elmeco"	—	—
HALL STREET METAL ROLLING CO., LTD.	Western Road, Birmingham	2222	"Bisseker"	—	—
HEATON & DUCARD Rolled Metal and Wire in Brass, Copper, Bronze, Gilding, and other qualities.	Shadwell St., Birmingham	39	"Heagard"	—	268
JOHN & JOSEPH HUGHES	Albion Metal Works, Woodcock St., Birmingham	118	"Browne"	A B C, 4th Ed., and Lieber's.	—
KINGS NORTON METAL CO., LTD. Manufacturers of Rolled Metals, Aluminium, German Silver, Lead, etc., also Wire and Rivets.	Kings Norton, near Birmingham	—	"Metal," Kings Norton	—	224
W. H. MOORE & SON	104, Upper Trinity Street, Birmingham	2261	"Cobra"	—	—
ROBERT RIGBY	New John Street Metal Works, Birmingham	3287	"Metallurgy"	—	—
ISAAC SHAW	165, Park Lane, Aston Manor, Birmingham	2614	—	—	—
METAL MERCHANTS.					
BARWELLS, LTD.	Pickford St., Birmingham	103	"Metals"	—	—
J. CLARKE & CO.	84, Lombard St., Birmingham	1750	—	—	—
CRAWLEY, PARSONS & CO.	10, Ludgate Hill, Birmingham	60 & 2992	"Crawley"	—	—
GOODWIN & CO. Tinplates, Blackplates, Solder, Nickelled Zinc, Brassed Zinc, Nickelled Steel, in stock.	Fleet Street, Birmingham	3383	"Boomerang"	A B C, 5th Ed., and Private.	—
EDWIN HANDLEY & SONS	32, Temple Courts, Birmingham	177	"Handley"	—	—
HARRY JACOBS	Exchange Buildings, New St., Birmingham	472	"Agreeable"	Lieber's.	—
JOHN E. MAPPLEBECK	Sheepcote St., Birmingham	36 & 4180	"Mapplebeck"	Lieber's.	—
THOS. McBEAN & CO.	Warwick Chambers, Corporation St., Birmingham	1369	"Snedshill"	—	—
THOMAS SHAW	105, Aston Road, Birmingham	1911	—	—	—
ALBERT STRAUSS	90, New Street, Birmingham	623	"Remelted"	A B C and Lieber's.	—
WATTS & NEPHEW	Allcock Street, Birmingham	8	—	—	—
METAL REFINERS.					
EDWARD DAY	28, Warstone Lane, Birmingham	3666	"Essayerie"	—	—
McKECHNIE BROS.	Rotton Park St., Birmingham	1889	"Residues"	A B C	—
METAL SMALLWARE MANUFACTURERS.					
PROCTOR & AVERY Also Manufacturers of Linen, Upholsterers', and Metal Buttons.	Bond Street, Birmingham	79x	—	—	—
METAL SPINNERS.					
R. H. BURMAN	Windmill Street, Horsefair, Birmingham	3455	"Reflection"	—	—
BURT BROS.	7 to 11, Edward St., Parade, Birmingham	575	"Stewpan"	—	—
J. C. FLETCHER & CO.	194, Lower Hurst Street, Birmingham	5043	—	—	—
MACBETH & CO. (BIRMINGHAM), LTD.	53, Oliver St., Birmingham	2667	"Macbeth"	—	—
METAL WORKING MACHINERY.					
GEORGE H. ALEXANDER Continuous Wire Drawing Machinery; Automatic Non-oxidizing Annealing Furnaces.	Doe Street, Birmingham	1918	"Viking"	A B C, Lieber's, and New Directory.	136

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ENGLAND.

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METERS (Electric).					
CHAMBERLAIN & HOOKHAM, LD. .. Every description of Continuous Current Meter from 1½ to 15,000 amperes.	New Bartholomew Street, Birmingham	2161	"Solar" ..	A B C, 5th Ed.	16 17
MILITARY & NAVAL ORNAMENT MANUFACTURERS.					
BENT & PARKER, LD.	Northwood St., Birmingham	66	"Bent".. ..	—	—
J. R. GAUNT & SONS, LTD.	Warstone Parade, Birmingham	2365	"Clasps" ..	A B C, 4th & 5th Eds., Western Union.	—
THOS. BENT WILKINS	52, Clement St., Birmingham	—	—	—	—
MILITARY BUTTON MANUFACTURERS.					
J. W. SMITH & SONS	Irving Street, Birmingham..	—	—	—	—
MILL MAKERS.					
ZACHARIAH PARKES & CO. .. .. Mills for Coffee, Spice, Corn, Wheat, Mealies, Chemicals, Paints, Almonds, etc. Also Disintegrators.	47 and 48, Hampton Street, Birmingham	05179	"Recut" ..	—	162
MILLING MACHINE MAKERS.					
H. W. WARD & CO. .. .. Horizontal and Vertical, Plain and Universal, Lincoln Type, Planer Type, etc.	Lionel Street, Birmingham ..	1469	"Tudor" ..	—	150
MOTOR MANUFACTURERS.					
DAIMLER MOTOR CO. (1904) LTD. ..	Coventry: Daimler Works..	505	—		156
	London: 219-229, Shaftesbury Avenue	1823	—	A B C, 5th Edition.	
		Gerr'rd			
	Manchester: 60, Deansgate..	1583	—	Lieber's.	
		Centr'l			
	Bristol: 18, Victoria Street .	1043	—	Western Union.	
	Nottingham: 90 and 98, Derby Road	531	—	—	—
THE GENERAL ELECTRIC CO. LTD. .. Motors, Dynamos, Starters, Controllers, Switchgear, etc., for Continuous and Alternating Currents.	Witton, Birmingham	2001 2002	"Polyphase" ..	A B C, Lieber's, Engineering, Private.	186
MOTOR ACCESSORIES MANUFACTURERS.					
LYCETT'S SADDLE AND MOTOR ACCESSORIES CO., LTD. .. .. .. Cycle and Motor Saddles, Cycle Tool Bags, Motor Rawhide Belts.	164, Deritend, Birmingham ..	1426	"Lycett" ..	A B C, 4th Edition.	172
TIMSON BROS. .. .. Manufacturers and Factors of Motor Accessories and Component Parts; also Cycles and Accessories.	Snow Hill, Birmingham ..	4516 & 4517	"Timson" ..	A B C, 5th Edition.	198
MOTOR BODY BUILDERS.					
BUCKINGHAM, LTD.	Bradford St. and Sherlock St., Birmingham	3754	—	A B C.	178
MOTOR CAR MANUFACTURERS.					
THE BIRMINGHAM SMALL ARMS CO., LTD.	Sparkbrook, Birmingham ..	173	"Smallarms"	A B C, 4th & 5th Ed., Lieber's, Western Union.	—
COVENTRY WORKS, LTD. .. .. .. Makers of C.W., Ltd., Cars, Chassis and Motor Tyres.	Small Heath, Birmingham..	200 Victoria	"Thrift" ..	A B C, 5th Edition.	162

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Manufacturers of all kinds of

SOFT AND SEMI-STIFF WOOL HATS
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CHILDREN AND LADIES' AND GENTS' WEAR,
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PURE WHITE WOOL HATS *are our speciality, both in quality and purity of whiteness.*

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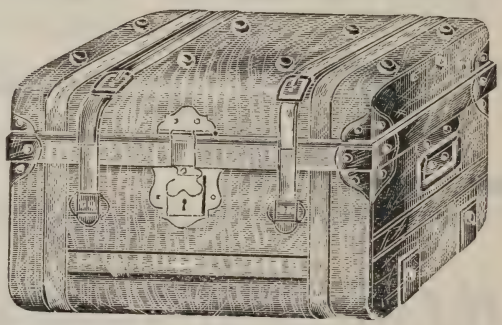

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TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
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	Manchester: 60, Deansgate..	Gerr'rd 1583	—	Western Union.	
	Bristol: 18, Victoria Street..	Centr'l 1043	—	—	—
	Nottingham: 90 and 98, Derby Road	531	—	—	—
LANCHESTER MOTOR CO., LTD. ..	Montgomery St., Birmingham	3787	"Motivity" ..	—	—
WOLSELEY TOOL & MOTOR CAR CO., LTD.	Adderley Park Works, Birmingham	3920 4940 4626 Trunk Calls, No. 7 G.P.O.	"Exactitude"	A B C, 5th Edition, Lieber's	—
MOTOR CAR AND WAGON FRAME MAKERS.					
RUBERY, OWEN & CO. .. .. .. Pressed Steel and Rolled Channel Motor Car, Van, Omnibus and Wagon Frames.	Darlaston, Staffs..	22	"Roofs".. ..	A B C.	158
MOTOR CARRIAGE MANUFACTURERS					
THE DAIMLER MOTOR CO. (1904), LTD.	Coventry: Daimler Works..	505	—	A B C, 5th Edition.	158
	London: 219-229, Shaftesbury Avenue, W.C.	1823	—	Lieber's.	
	Manchester: 60, Deansgate..	Gerr'rd 1583	—	Western Union.	
	Bristol: 18, Victoria Street..	Centr'l 1043	—		
	Nottingham: 96-98, Derby Rd.	531	—		
MOULDING MANUFACTURERS (Wood).					
THE WOOD CARVING CO., LTD. .. Speciality: Windsor Picture Mouldings, Architectural and Cabinet Carvers.	Windsor Street, Birmingham	05166	"Carvings"..	—	162
MOUNT MANUFACTURERS.					
W. J. MYATT & CO., LTD. .. .. Mounts for Walking Sticks, Umbrellas, etc., in Hall-marked Silver and Metal, of every description.	Graham Street and Frederick Street, Birmingham ..	3646	"Argenté" ..	—	134
MUSICAL INSTRUMENT MANUFACTURERS.					
G. HOUGHTON & SONS .. .. .. "Reliance" Zither Banjos, Ordinary Banjos, Banjo Mandolines, Jap Fiddles, Drums, etc.	Reliance Works, Heaton St., Birmingham	Centr'l 2295	"Melody" ..	—	273
WILLIAM SAMES, LTD. .. .. .. Manufacturers of High-class Pianofortes and Reed Organs. Excellence, durability.	Mozart Works, Balsall Heath, Birmingham ..	28 South	"Instrument, Birmingham"	—	280
NAIL MANUFACTURERS.					
DAVID POWIS & SONS .. .. .. Copper Rivets, Washers, Boat Nails, Rover Tacks, Slate Nails, Sheathing Nails.	Floodgate St., Birmingham	631	"Powis" ..	—	18
JOHN REYNOLDS & SONS, LTD... ..	"Crown" Works, Newtown Row, Birmingham	512	"Reynolds Crown"	—	—
SAMUEL WEBB	Lord Street, Birmingham ..	3730	—	—	—
NAIL & TACK MANUFACTURERS.					
WM. COOK .. .. Tacks, Nails, Cut and Wire, Washers, Gimp, Escutcheon, and Panel Pins.	Porchester Works, Aston, Birmingham	72 Northern	"Champion"	—	176

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Driving Bands for Projectiles.

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NAVAL BRASS-FOUNDERS.					
CURRIE & WARNER .. .. Brass or Gun-Metal Rowlocks, Boathooks, Cleats, Hinges, Lashing Eyes, Binnacle Rings.	Summer Hill Works, Powell Street, Birmingham ..	1539	—	—	280
NEEDLE MANUFACTURERS.					
GUILLAUME LIMITED	Redditch..	33	"Guillaume"	—	—
RICHD. HEMMING & SONS	Forge Mills, Redditch	10	"Hemming"..	—	—
JOHN JAMES & SONS, LTD. .. .. Specialities :— Sewing Needles, all kinds, Needle Cases, Packing and Bagging Needles.	Redditch..	12	"James" ..	—	218
KIRBY, BEARD & CO., LTD. .. Pins, Hair Pins, Safety Pins, Needles, and Fish Hooks.	Ravenhurst Works, Bradford Street, Birmingham.. ..	562	"Kirby" ..	A B C.	192
HENRY MILWARD & SONS, LTD. .. Hand & Machine Needles, Crochet Hooks, Knitting Pins, Surgical Needles, Needle Cases.	Washford Mills, Redditch ..	15	"Milward" ..	A B C. 4th & 5th Ed.	—
S. THOMAS & SONS, LTD....	British Mills, Redditch ..	39	"Thomas" ..	—	—
NEWSPAPER PROPRIETORS.					
JOHN FEENEY & CO. .. .. .. "Birmingham Daily Post." "Birmingham Weekly Post." "Birmingham Daily Mail." "Sporting Mail."	New Street, Cannon Street, and Corporation Street, Birmingham	4015 4016 4017	—	—	—
NICKEL AND ELECTRO-PLATERS AND POLISHERS.					
C. B. PARTRIDGE & SONS..	113-115, Northwood Street, Birmingham	2272	—	—	—
NICKELLED BRASS.					
FISHER, ROUND & SONS .. .. .. Makers of Brassed Zinc, Coppered Zinc, Nickelled Zinc, Nickelled Copper or Brass.	47, Frederick St., Birmingham	2471	—	A B C.	166
NICKELLED COPPER.					
FISHER, ROUND & SONS .. .. .. Makers of Brassed Zinc, Coppered Zinc, Nickelled Zinc, Nickelled Plated Copper or Brass.	47, Frederick St., Birmingham	2471	—	A B C	166
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FRANCIS WILLIAMS OIL CO. .. .. Manufacturers of Soluble Oils, Screwing Mixture, Levant Black for Leather, and Boiler Composition.	100-104, Bristol Street, and 281-283, Broad Street, Birmingham	3688 1874	"Reliance" .. "	—	—
OLD ENGLISH SILVER (BOOK).					
BEMROSE & SONS LTD. .. .. .. Publishers.	4, Snow Hill, London, E.C. ..	576 Holborn	"Bemrose" ..	—	287
ORGANS.					
WILLIAM SAMES, LTD. .. .. .. Manufacturers of High-class Reed Organs, of beautiful designs and workmanship.	Mozart Works, Balsall Heath, Birmingham ..	28 South	"Instrument, Birmingham"	—	280
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OVENS FOR BAKERS.					
PAYNE & GRIFFITHS.. .. .. .. Patent Ovens, Peel and Drawplate, Portable and Brick, also Machinery and Utensils.	Tudor Works, Ladywood Rd., Birmingham	3481	"Thermal" ..	—	—

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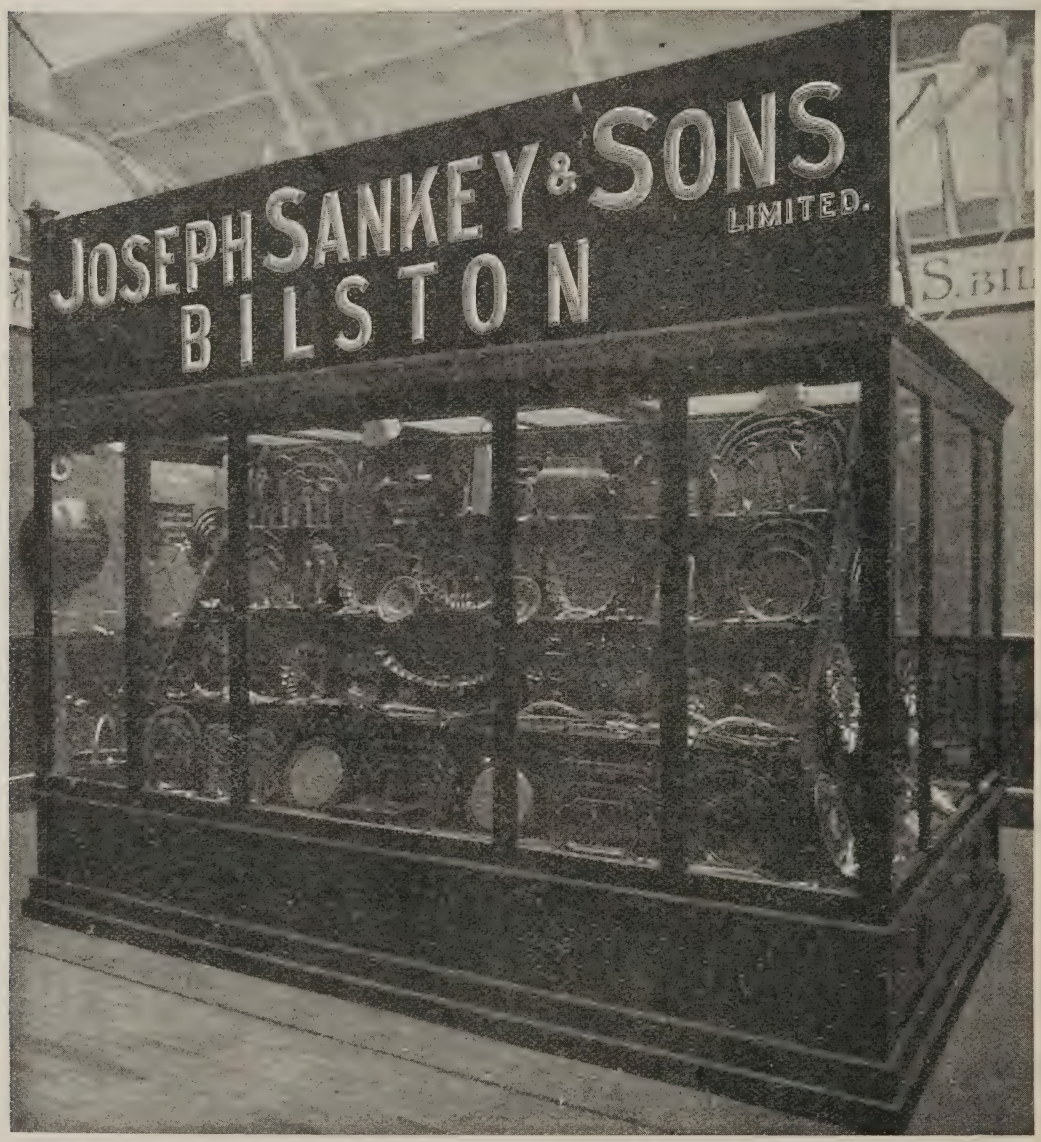

IRON AND STEEL SHEET MANUFACTURERS, ETC.

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PAINT AND COLOUR MANUFACTURERS.					
ARTHUR HOLDEN & SONS, LTD. ..	Bradford Street, Birmingham	1107	"Varnish, Birmingham"	—	198
MEREDITH & CO. .. .. Paints and Colours of every description, Meredith's Cardinal and Perpetual Reds.	Head Office: 18th Century Varnish and Colour Works, Western Rd., Birmingham	1387	"Meredith, Birmingham"	A B C, 5th Edition.	204
THOMAS MERRY & CO., LTD. .. .. Drysalters, Oil Importers, Varnish, Paint, and Colour Manufacturers.	Registered Office: 75 and 76, Suffolk Street .. .. .. Works: 155 to 160, Alcester Street, Birmingham ..	1203 1914	"Drysalters"	—	182
MORLEY BROS.	Goodrick Street Works, Birmingham	54 Aston	—	—	—
PAINTERS' BRUSH MANUFACTURERS.					
LEE & JAMES, LTD. .. .. Speciality—Brushes of all kinds for the Painting and Decorating Trade.	Albion Works, Moseley St., Birmingham	1673	"Brush" ..	A B C, 4th & 5th Ed., Western Union.	180
PAPER MANUFACTURERS.					
SMITH, STONE & KNIGHT, LTD. ..	Landor Street, Birmingham	2549	"Paper".. ..	A B C, 4th Edition.	—
PAPER MANUFACTURERS' AGENT.					
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GEORGE TUCKER .. .. .. Patent Self-piercing and "Best" Paper Fasteners, Drawing Pins, Suspenders, Clips, Stationers' Sundries.	Federation Works, Lancaster Street, Birmingham.. ..	3683	"Tuckering"	A B C, 5th Edition.	154
TWIGG & BEESON	Ludgate Hill, Birmingham..	990	"Twigg, Ludgate Hill"	—	—
PARAFFIN LAMP MANUFACTURERS.					
SUNLIGHT & SAFETY LAMP CO., LTD. Every description of Lamps, also the Patent Shadowless Lamp.	Summer Hill Road, Birmingham	2236	"Progress" ..	A B C.	202
PARROT CAGES (Manufacturers).					
KOBABE & KUPHAL .. .. All descriptions for Home and Export—best quality. Speciality—Parrot Cages tinned after made.	Summer Row, Birmingham	—	—	—	266
PASTEBOARD MANUFACTURERS.					
J. & W. MITCHELL	Bordesley Paper Works, Birmingham	549	"Tinfoil" ..	—	—
PATENTEES.					
MORTON & CROWDER, LTD. .. .. Patentees of the Double Bar and Trumpet "Gents" Safety Pins.	Brearley Street, Birmingham	246 Jewellers.	"Maze".. ..	A B C.	288 289
PAVEMENT LIGHTS.					
JAMES STEVENS & SON .. .. .. Glass Manufacturers. Lenses for Ship and Railway Lamps, Pavement Lights, etc.	Victoria Glass Works, Dartmouth Street, Birmingham	455	"Lens".. ..	—	166

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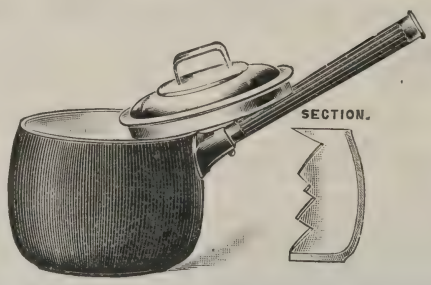

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gives firm grip.

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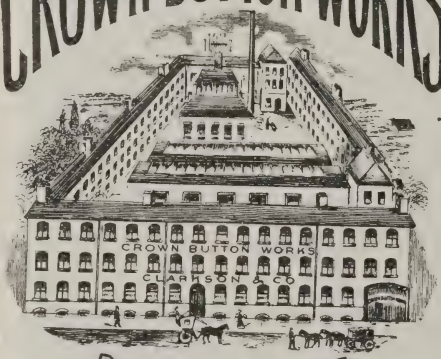

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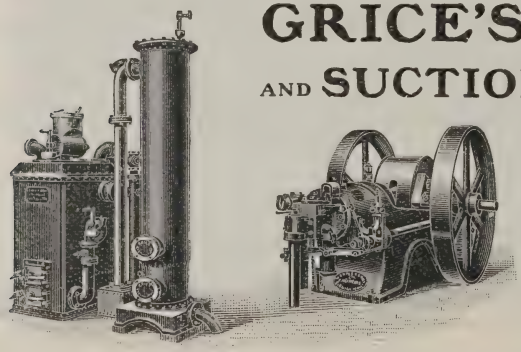

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ENGLAND,
AND
CARNOUSTIE,
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BAKER & FINNEMORE..	1, James Street, St. Paul's Square, Birmingham ..	2838	—	—	—
JOSEPH GILLOTT & SONS..	Graham Street, Birmingham	—	"Gillott" ..	—	—
HINKS, WELLS & CO.	Buckingham Street, Birmingham	3761	"Penmen" ..	A B C, 5th Ed.	—
D. LEONARDT & CO.	100, Charlotte St., Birmingham	—	"Penna" ..	—	—
JOHN MITCHELL	104-108, Newhall Street, Birmingham	3826	"Penmanship"	—	—
M. MYERS & SON	Charlotte St., Birmingham..	131	"Challenge"	—	—
PERRY & CO., LTD.	36, Lancaster St., Birmingham	91	"Perry".. ..	—	—
PEN AND PEN HOLDER MANUFACTURERS.					
C. BRANDAUER & CO., LTD.	401 to 410, New John St. West, Birmingham	—	"Brandauer"	—	—
WILLIAM MITCHELL (PENS) LTD. ..	Cumberland St., Birmingham	414	"Manifold" ..	—	—
PENCIL CASE MANUFACTURERS.					
A. DOWNING, LIMITED .. .. .. Manufacturers of every description of Gold and Silver Pencil Cases, Gold and Silver Mounted Knives, Cigar Cutters, etc.	160, Warstone Lane, Birmingham	2376	"Pencils" ..	—	—
HENRY GRIFFITH & SONS, LTD. .. Also Manufacturers of Gold and Silver Thimbles, 9-carat Gold Jewellery, Gem and Signet Rings, etc.	Warstone Lane, Birmingham	2102	"Jewellers"..	—	132
FRANCIS WEBB, LTD. .. .. Silver and Gold Pencils and Picks, Smokers' Novelties, etc., etc.	19 & 20, Gt. Hampton Street, Birmingham	12 Jewellers	"Sterling" ..	—	174
A. H. WOODWARD	Legge Lane, Birmingham ..	32 Jewellers	"Woodward"	—	—
PERAMBULATOR MANUFACTURERS.					
T. BARNFIELD & CO. .. .. .. Children's Bassinette Perambulators, Mail Carts, and Folding Carts of every description, etc.	Scarboro' Works, Conybere Street, Birmingham.. ..	2023	—	—	204
T. HARRIS & CO.	Bradford Street, Birmingham	1688	"Bassinette"..	—	—
PERAMBULATOR WHEEL MANUFACTURERS.					
HUGHES, GEO. H.	St. Stephen's Wheel Works, Birmingham	1517	"Hughes" ..	—	—
PEWTERERS.					
GASKELL & CHAMBERS, LTD. .. .. **(Incorporated with Yates & Greenways.)** Measures and Tankards, Inkstands, Syringes, Plates, Dishes, etc.	50-52, Dale End, Birmingham	640	"Gaskells" ..	—	146
PHOTO ENGRAVERS.					
ARTHUR COX ILLUSTRATING CO., LTD.	63 & 64, Ludgate Hill, Birmingham	1380	"Duplicate" ..	—	—
PHOTO FRAMES.					
BUNCHER & HASELER .. .. .. In all Metals, Aluminium, Antique Copper, Gilt and Old Silver Finishes.	Branston St., Birmingham ..	308 Jewellers	"Buncher" ..	A B C, 5th Edition.	275

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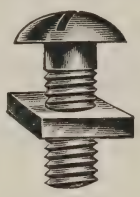

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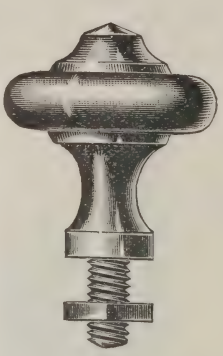

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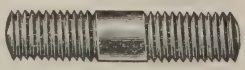

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PIANOFORTES.					
WILLIAM SAMES, LTD. .. .. .. Manufacturers of High-class Pianos. Moderate Prices, for Colonies and extreme climates.	Mozart Works, Balsall Heath, Birmingham.. ..	28 South	"Instrument"	—	280
"PIANOFORTE IRONMONGERY."					
CURRIE & WARNER .. .. Speciality. Sconces of all descriptions, also Castors, Wire, Hinges, Handles, Pedals, etc.	Summer Hill Works, Powell Street, Birmingham ..	1539	—	—	280
PICTURE MOULDING MANUFACTURERS.					
THE WOOD-CARVING CO., LTD. .. Speciality—**Windsor Picture Mouldings**, Architectural and Cabinet Carvers.	Windsor Street, Birmingham	05166	"Carvings" ..	—	162
PIG IRON MAKERS.					
T. & I. BRADLEY, LTD.	Caponfield Furnaces, Bilston	31	—	—	—
THE WILLINGSWORTH IRON CO., LTD.	Willingsworth Furnaces, nr. Wednesbury (Staffs.).. ..	69 Wednesbury	—	—	—
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GEORGE GOODMAN, LTD. .. .. .. Brass, Steel, and Iron Plated in all qualities. Sole Patentees of Steel Pins.	80-85, Caroline Street, Birmingham	3283	"Pins"	A B C, 5th Edition.	240
KIRBY, BEARD & CO., LTD. .. .. Pins, Safety Pins, Hair Pins, Needles and Fish-Hooks.	Ravenhurst Works, Bradford Street, Birmingham.. ..	562	"Kirby".. ..	A B C	192
JARRETT & RAINSFORD, LTD.	48, Broad Street, Birmingham	1481	"Rainsford"..	—	—
PIPES (The Original Jackson's Patent Real Asbestos).					
THE JACKSON ASBESTOS MANUFACTURING COMPANY .. .. .. Sole Manufacturers. Made entirely from the best Canadian Asbestos Fibre.	Asbestos Works, Jenkins St., Birmingham	—	—	—	232
PLANE MANUFACTURERS.					
EDWARD PRESTON & SONS, LTD. .. Wood and Metal.	Whittall Works, Cheston Road, Birmingham	East 155	"Preston" ..	A B C	293
PLASTER MANUFACTURERS.					
ADAMANT CO., LTD.	11-12, Commercial Street, Birmingham	489	"Adamant"..	—	—
PLATE GLASS MANUFACTURERS.					
PILKINGTON BROS., LTD. .. .. Plate Glass for Shop Windows, Facias, and Show Cases; Glass Bending, etc.	Slaney Street, Birmingham (and Glass Works, St. Helens, Lancashire).. ..	1021	"Pilkington"	A B C, 5th Ed., Lieber's, Premier, A1, West. Union.	—
PLATED METAL MANUFACTURERS.					
FISHER, ROUND & SONS .. .. .. Makers of Brassed Zinc, Coppered Zinc, Nickelled Zinc, Nickelled Copper or Brass.	47, Frederick Street, Birmingham	2741	—	A B C	166
SAMUEL TAYLOR & CO. .. .. .. All kinds of Plated Metals, also Aluminium, German Silver, Brass, and Reflectors.	72 & 73, Lionel Street, Birmingham	1350	—	—	267
PLUMBERS' AND PAINTERS' MERCHANT.					
MARTIN DUNN .. .. Every requirement stocked for Plumbers, Painters, and Decorators. Large Stocks of Paperhangings.	High Street, West Bromwich	77	"Dunn" ..	—	190

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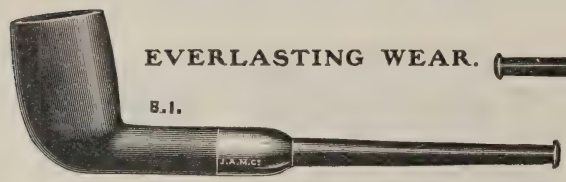

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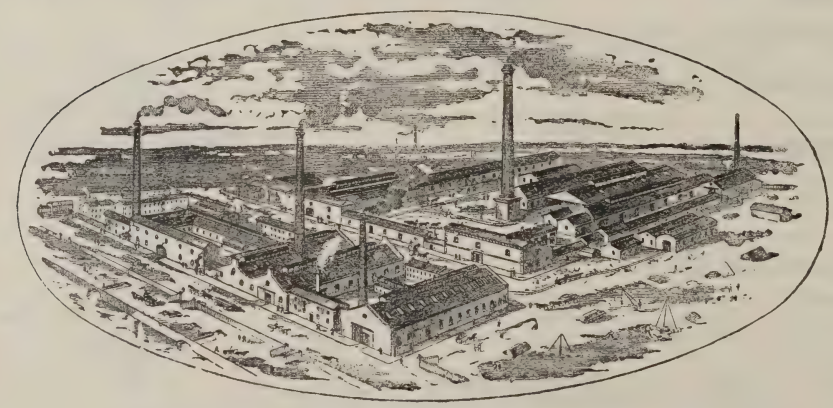

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PLUMBERS' BRASSFOUNDERS.					
WALTER DEELEY	Holloway Head, Birmingham	957	"Cisterns" ..	—	—
OLDFIELD & CO., LTD. .. .. .. Also Manufacturers of Shop Fittings, Sconces, etc.	26, Birchall St., Birmingham..	288x	"Rosette" ..	—	176
J. SHUTTLEWORTH & CO. .. .. .. Plumbers' Brasswork, Syphon and other Cisterns, Sanitary Fittings of every description.	173, Brearley St., Birmingham	—	—	—	265
SMITH & DAVIS .. .. Sink Plugs and Wastes, Beacon Patent, Cistern Pulls, Pipe Clips, Small Gas Fittings, etc.	Beacon Works, Essington St., Birmingham	3976	—	—	220
PNEUMATIC TYRE MANUFACTURERS.					
THE SELF-SEALING RUBBER CO., LTD.	Ryland Street, Birmingham ..	1442	"Hermetic" ..	—	
POLES.					
JOHN SPENCER, LTD. .. .. Tramway, Telegraph, Transmission and Arc Lighting Poles. All Tests and Sizes.	Globe Tube and Engineering Works, Wednesbury ..	4 & 53	"Tubes"	A B C	232
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W. CANNING & CO.	137, Great Hampton Street, Birmingham	2220 & 1027	"Materials" ..	A B C, 4th Ed.	
FREDK. CRANE CHEMICAL CO. .. .. Tripoli Powders, Geo. Zucker Co.'s Specialities, "Acme" White Finish, "Specialime" Rouge Compos.	22 and 23, Newhall Hill, Birmingham	2379	"Chemical" ..	A B C, 4th Ed.	168
COOPER & CO. (Birmingham), LTD. ..	Little King St., Birmingham	2204	"Felting" ..	—	
PORTMANTEAU MANUFACTURERS.					
C. HOUGHTON & SONS .. .. .. Sole Makers of the Waterproof Week-end Portmanteau.	Reliance Works, Heaton St., Birmingham	Centr'l 2296	"Melody" ..	—	273
PRECIPITATED CHALK MANUFACTURERS.					
JOHN & E. STURGE .. .. Also Citric Acid, Bicarbonate of Potash, Rochelle Salts, Fluid Magnesia, Effervescent Salines.	18, Wheeley's Lane, Birmingham	108	"Sturgeon" ..	A B C, 4th & 5th Eds.	174
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JOHN HANDS & SONS .. .. .. Power Presses and Drawing-through Machines for sheet metal work.	Cardigan Works, Belmont Row, Birmingham	411	"Machinery'	Private.	4
T. NORTON & CO. .. .. Makers of Fly, Foot and Power Presses, Lathes, Circular Shears, Stamps, etc.	28, Carver St., Birmingham	6x Centr'l	—	—	291
TAYLOR & CHALLEN, LTD., ENGINEERS. Make Presses for the Manufacture of Ammunition.	Constitution Hill, Birmingham	2244	"Derwent" ..	—	3
PRESSURE GAUGES.					
PAYNE & GRIFFITHS .. .. .. Steam, Vacuum, Hydraulic and Water, Motor and all other kinds of Gauges.	Tudor Works, Ladywood Rd., Birmingham	3481	"Thermal" ..	—	—

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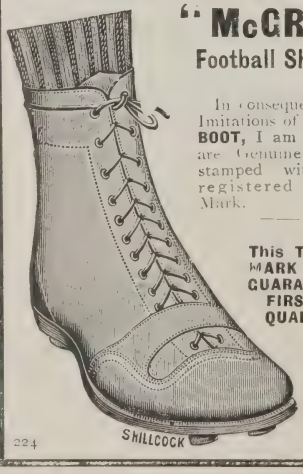

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PRESS WORKERS.					
A. STOKES & CO.	Legge Street, Birmingham	359x	"Cages"	—	—
PRINTERS.					
BUCKLER & WEBB, LTD.	Church Street, Birmingham	428 & 2410	"Ledger"	—	—
JOHN GOODMAN & SONS	Castle Street, Birmingham	729	—	—	—
PERCIVAL JONES, LTD.	87 to 89, Edmund Street, Birmingham	590	"Pica"	—	—
SILK & TERRY	124 to 127, Great Charles St., Birmingham	5013 & 1401	—	—	—
JAMES UPTON	Baskerville Printing Works, Cambridge St., Birmingham	64	"Baskerville"	—	—
WHITE & PIKE, LTD.	Moor Street, Birmingham	337	"Printing"	—	—
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HUDSON & SON	Livery Street, Birmingham	2219	"Lithography"	—	—
GEORGE NEWNES, LTD. (A. Leslie Franklin, Representative)	Newton Chambers, Cannon Street, Birmingham	2662	"Newnes"	—	—
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JOHN R. ROGERS	55, Attwood Passage, Birmingham	—		—	—
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JOSEPH ST. LUDGER	Clarence Chambers, 39, Corporation St., Birmingham	2868	"Oleine"	—	—
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BARROW'S STORES, LTD.	Corporation St., Birmingham	611	"Barrow"	—	—
W. H. HART & SONS, LTD.	Carr's Lane, Birmingham	1337	"Hart"	—	—
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PUMPING MACHINERY MANUFACTURERS.					
WORTHINGTON PUMP CO., LTD.	Winchester House, Victoria Square, Birmingham	3107	"Pumping"	—	—
PUSH BUTTON MANUFACTURERS.					
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PATENT AXLE-BOX & FOUNDRY CO., LTD.	Wednesfield Foundry, near Wolverhampton	300 Wolverhampton	—	—	—
PATENT SHAFT & AXLE-TREE CO., LTD.	Wednesbury	3	"Shaft"	—	—
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MIDLAND RAILWAY CARRIAGE & WAGON CO., LTD.	Midland Works, Landor St., Birmingham	397	"Midland" ..	—	—
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RAILWAY FITTINGS MANUFACTURERS.					
JOHN BROTHERTON, LTD. .. .. .. Point Rods a speciality; also Makers of Tubes up to 12 in.	Imperial Tube Works, Wolverhampton	22 & 51	"Imperial" ..	—	230
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MASON BROS. .. .. Bright Knobs for Ranges, Ashpans, etc. Also Bright Latch Bolts, Rivets, etc.	64 and 66, Stanhope Street, Birmingham	2348	—	—	230
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	2, King William Street, Strand, London	—	"Blandson"	A B C, 4th & 5th Eds.	
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CHAS. OSBORNE & CO., LTD.	Whittall Street, Birmingham	1541	"Osborne's"	A B C, 5th Ed.	234
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RIVET MANUFACTURERS.					
PATENT RIVET COMPANY, LIMITED .. Girder, Boiler, and Tank Rivets of every description, Iron, Steel, or Copper.	Smethwick	16	"Rivet" ..	A B C, 5th Edition	140
EPHRAIM PHILLIPS .. .. All kinds of Rivets. Tinmen's, Coopers', and other Rivets. Also Electro-Platers.	54 and 58, Bissell Street, and 9-10, Sherbourne Road, Birmingham	722 4y	— —	— —	168
DAVID POWIS & SON .. .. Copper Rivets, Washers, Boat Nails, Rover Tacks, Slate Nails, Sheathing Nails.	Floodgate St., Birmingham..	631	"Powis" ..	—	18
RIVET, NAIL AND WASHER MANUFACTURERS.					
HERBERT W. PERIAM, LTD. .. .. Coopers' and Tinmen's Rivets, Galvanized Roofing Rivets, Clout and Tyre Nails and Washers.	Floodgate Street Works, Birmingham	373	"Floodgate"	—	291
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BASSETT, BAGNALL & CO. .. .. .. Rolled Metals in all qualities, Copper, etc., Bobbin and Comb Brass.	3, James Street, St. Paul's, Birmingham	Centr'l 393	"Bassnall" ..	—	—
THE BIRMINGHAM METAL AND MUNITIONS CO., LTD.	Adderley Road, Birmingham	41 East	"Ammunition"	A B C, 5th Edition	174
DUCARD BROTHERS .. .. Rolled and Sheet Brass, Dipping, Gilding, Gun Metals and Bronze.	Vulcan Mills, Bridge Street West, Birmingham	98	"Vulcan" ..	—	291
ROLLING MILL ENGINEERS.					
GEO. JONES, LTD. .. .. Rolling Mills for Gold, Silver, German Silver, Brass, Copper, Pen Steel, Tea Lead, Tin and Lead Foils.	Lionel Street, Birmingham..	1003	"Rolling" ..	—	285
ROOF FITTINGS.					
LUDLOW BROS., LTD. .. .. Ridgings, Gutterings, Down Pipes, and all Fittings, in all gauges.	Palmer Street, Birmingham	235	"Ludlow" ..	—	18
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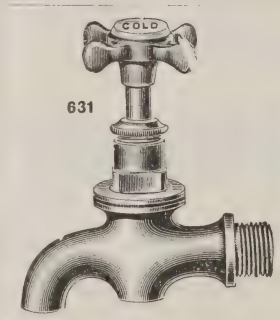

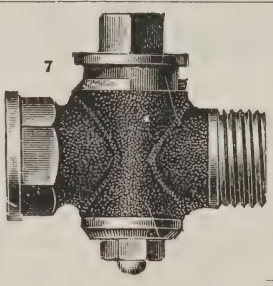

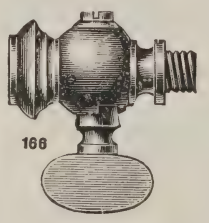

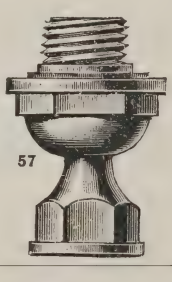

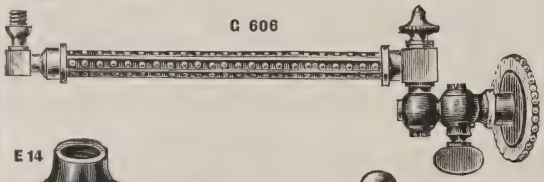

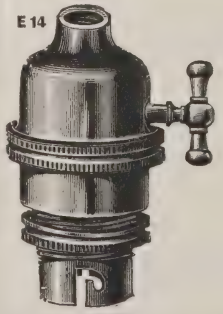

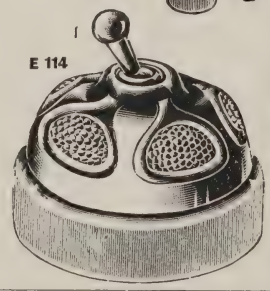

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RUBBER GOODS MANUFACTURERS.					
DUNLOP RUBBER CO., LTD.	14, Regent Street, London ..	—	—	—	—
ARTHUR B. WILLIAMS & CO., LTD. .. Makers of Patent Rubber Warehouse or Truck Tyres, and all Rubber Goods.	13, Weaman Street, Birmingham	1657	"Nipples," Birmingham	A B C, 5th Edition	216
RULE MANUFACTURERS.					
EDWARD PRESTON & SONS, LTD. .. Boxwood, Ivory, Brass, and Steel Rules.	Whittall Works, Cheston Rd., Birmingham	East 155	"Preston" ..	A B C	293
JOHN RABONE & SONS	Hockley Abbey Works, Birmingham	2387	"Abbey" ..	—	—
I. & D. SMALLWOOD .. .. Boxwood, Ivory, Steel, and Metallic Rules, Steel Straight Edges, Measures, etc. Illustrated Catalogues.	Leopold Street, Birmingham	1661	"Rules" ..	—	200
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WILLIAM LUKE & CO. .. .. .. For all Markets.	St. George's Place, Gt. Hampton Row, Birmingham ..	—	—	—	216
D. MASON & SONS, LTD.	Bath Row, Birmingham ..	864	"Saddlery" ..	—	—
MIDDLEMORE & LAMPLUGH, LTD. ..	Holloway Head, Birmingham	862	"Middlemore"	A B C, 5th Edition.	—
RENDALL, UNDERWOOD & CO., LTD. ..	Granville St., Birmingham	1205	—	—	—
W. SHAMMON & SONS .. .. .. Also Manufacturers of all kinds of Whips.	Moseley Street, Birmingham	1330	"Shammon"	—	220
SADDLERY WEBBING MANUFACTURERS.					
OLLARD, WESTCOMBE & CO.	46, Great Charles Street, Birmingham	682	"Ollard" ..	—	—
SAFE MANUFACTURERS.					
W. E. BRAIN & CO.	30, Great Tindall Street, Birmingham	—	—	—	—
EMPIRE SAFE CO.	Water Street, Birmingham	—	—	—	—
LINGHAM BROS	Great Hampton Street, Birmingham	—	"Lingham" ..	—	—
WHITFIELD SAFE & DOOR CO.	Oxford Street, Birmingham	641	"Safes"	—	160
SAFETY PIN MANUFACTURERS.					
THOMAS WILLIAM BROUGHTON & CO. "Duplex," "Unique," "Shield," "Ne Plus Ultra," "Nechells," "Kaffir," "Ivy," "Sovereign," 'Perfect," "Evreday," "Imp," "Regina," "Unisa," "Broughton Guarded Coil."	44-51, High Park St., Nechells, Birmingham	B'ham East 95	"Broughton, Nechells," Birmingham	—	270
GEORGE GOODMAN, LTD. .. .. .. Duplex in all qualities for Home and Export—"Queen Bess," "Gaelic," "Fronde," etc.	80-85, Caroline Street, Birmingham	3283	"Pins"	A B C, 5th Edition.	240
J. NICKLIN & CO. .. .. Also Curtain Hooks and Rings, Fancy Lace Pins, Blanket Pins.	Great Charles Street, Birmingham	1389	"Nicknacks"	—	180
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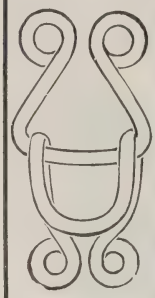
JAMES BERESFORD & SON	Cato Street Works, Vauxhall, Birmingham	1637	"Beresford" ..	—	—



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SANITARY FOUNDERS.					
WILLIAM CROSS & SON, LTD. .. .. All kinds Pedestal Seat and Cistern Brackets, Stench Traps, Lavatory Stands, etc.	Lyng Foundry, West Bromwich	64	"Cross" ..	—	206
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LUDLOW BROS, LTD. .. .. Speciality:—Air-tight Lids. All designs of Sanitary Pans for World's Markets.	Palmer Street, Birmingham	235	"Ludlow" ..	—	18
SANITARY SPECIALIST.					
WILLIAM E. FARRER	Star Works, Cambridge St., Birmingham	1903	"Farrer" ..	—	—
SAUCE AND PICKLE MANUFACTURERS.					
HOLBROOKS, LIMITED	Ashted Row and Dartmouth Street, Birmingham; Stourport (Worcestershire). London Office:—Chesney Chambers, 64, Leadenhall Street, London, E.C.	448	"Vinegar" ..	A B C, 4th Ed., A1, and Private.	—
SAUSAGE AND SAUCE MANUFACTURERS.					
PALETHORPES, LTD.	Dudley Port, Tipton, Staffs. ..	21	"Palethorpe," Tipton.	—	—
SCHOOL HAT AND COAT HOOKS.					
THE EMPIRE HOOK CO. .. .. .. Hooks, numbered for Schools, Barracks, etc.	185, Brearley St., Birmingham	395x	—	—	216
SCONCE MANUFACTURERS.					
OLDFIELD & CO., LTD. .. .. .. Also Manufacturers of Shop-fittings and Plumbers' Brassfoundry.	26, Birchall St., Birmingham	288x	"Rosette" ..	—	176
SCREW MANUFACTURERS.					
ARMSTRONG, STEVENS & SON .. .. Bolts, Nuts, Studs, Set Screws, Machine Screws, Coach Screws, Bright Washers, Rivets.	Whittall St., Birmingham ..	588 Centr'l	"Armstrongs"	—	212
CRANES SCREW & COLGRYP CASTOR CO., LTD.	River Street, Birmingham ..	1651 & 5487	"Grip"	—	—
HAWKINS & CO., LTD.	330, Cheapside, Birmingham	4832	"Screws" ..	—	—
MASON BROTHERS .. .. Brassfounders' laying-in Screws, Wires, Dowells, etc. Screws for Range Makers.	64 and 66, Stanhope Street, Birmingham	2348	—	—	230
HERBERT W. PERIAM, LIMITED .. .. Galvanized Roofing Screws, Stove and Machine Screws, Gimlet Pointed Coach Screws.	Floodgate Street Works, Birmingham	373	"Floodgate"	—	291
EPHRAIM PHILLIPS .. .. Roofing Screws, Roofing Bolts and Nuts, Spout Bolts, Brassfounders' and Bedstead Makers' Screws.	54 and 58, Bissell Street, and 9-10, Sherbourne Road, Birmingham	722 4y	— —	— —	168
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SCREW (Expanding) MANUFACTURER.					
JOSEPH FITTER	Britannia Works, Cheapside, Birmingham	1455	"Expanders"	—	—

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(3) To promote, support, or oppose legislative or other measures affecting such trade, commerce and manufactures.

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THOMAS CHATWIN	Great Tindall Street, Birmingham	4790	"Chatwin" ..		—
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SEWAGE FILTERING MATERIAL.					
INTERNATIONAL PURIFICATION SYNDICATE .. .. "Polarite," best Filtering Medium for producing good effluents from shallow Bacterial Filters.	Central House, New Street, Birmingham	2929	"Aveling," B'ham ..		266
SHEET IRON WORKER.					
L. NICKLIN .. .. Speciality:—Nicklin's Kegs and Steamer Ash Buckets. Best on the Market.	Despatch Works, High Park Road, Smethwick, near Birmingham	100 Smethwick	"Kegs," B'ham.		—
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JOSEPH JOHNSON	32, Paradise Street, Birmingham.	1836 & 4656	"Freight" ..		—
NEALE & WILKINSON	Theatre Royal Chambers, New St., Birmingham ..	5186	—	—	—
SHIPS' BERTH MANUFACTURERS.					
HOSKINS & SON, LTD.	Neptune Works, Upper Trinity St., Birmingham ..	38	"Berths" ..	A B C, 4th & 5th Eds.	—
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THOS. WALKER & SON, LTD.	58, Oxford St., Birmingham	75	"Shiplog" ..	—	—
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HARRIS & SHELDON, LTD. .. .. .. Shops and Stores Fitted completely in every detail. Estimates given. Drawings submitted.	Stafford Street, Birmingham	462 & 463	"Fittings" ..		Back of Cover
J. B. BRUCE .. .. Also Brassfounder and Chandelier Manufacturer.	Havelock Works, Ernest St., Holloway Head, Birmingham	892	"Bruces" ..	—	—
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SILVER CHAIN MANUFACTURERS.					
HENRY ALLDAY & SON .. .. .. Makers of Hall Marked Silver Alberts, Guards, etc.	130, Warstone Lane, Birmingham	2426 Centr'l	—	—	—
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FRANCIS WEBB, LTD.... .. .. .. Silver and Gold Pencils and Picks, Smokers' Novelties, etc.	19 and 20, Great Hampton St., Birmingham	12 Jewellers	"Sterling" ..	—	174
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W. AITKEN	Eagle Works, 78, Summer Row, Birmingham	2347	—	—	—
BARKER BROS., LTD....	Constitution Hill, Birmingham	1575	"Barker" ..	—	
S. BLANCKENSEE & SON, LTD. .. .. Manufacturers of every description of small Silver Ware—Original and exclusive Designs.	73, Great Hampton Street, Birmingham	40 Jewellers.	"Bee," Birmingham	—	
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JOHN COLLYER & CO., LTD.	113, Hockley Hill, Birmingham	3327	—	—	—
W. DEVENPORT .. .. Manufactures all kinds Silver Goods. Toilet and Small Table Ware a speciality.	Silver Plate Works, Northwood Street, Birmingham	—	—	A B C	15
ELKINGTON & CO., LTD.	Newhall Street, Birmingham	59	"Elkington"	—	—
LEVI & SALAMAN (The Potosi Silver Company).	Newhall Street, Birmingham	392	"Levisalm" ..	A B C, 5th Ed.	
W. J. MYATT & CO., LTD. .. .. .. Manufacturers of every description of Silver Goods. Specialities:—Toilet Articles and Novelties.	Graham St., and Frederick Street, Birmingham.. .. London Showrooms:— 10, Lower John St., Gordon Square, London, W.C.	3646	"Argente" ..	—	134
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D. & L. SPIERS .. .. Manufacturers of Silver Toilet and Fancy Goods.	Standard Works, Vittoria St., Birmingham	Jewellers 82 & 182	"Spiro".. ..	—	6
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	30, Ely Place, London	1522 Centr'l	"Biweekly"	—	—

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C. H. COLLINS & SONS .. .. .. Collar Studs, Shirt Studs, Sleeve Links, Solitaires, Fancy Vest Buttons, and all classes of Gents' Jewellery.	47-48, Hockley Hill, Birmingham	0449 Jewellers.	—	—	276
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SPADE AND SHOVEL MANUFACTURERS.					
JOHN HATTON	Main Works, Washing Pool, Stourbridge	—	"Hatton" ..	—	—
ISAAC NASH & SONS	Wollaston Mills, Stourbridge	43	"Nash".. ..	A1	—
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NEW DELAVILLE SPELTER CO., LTD.	Spring Hill, Birmingham ..	3290	"Delaville"..	—	—

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SPORTING GOODS MANUFACTURER.					
THOMAS BLAND & SONS .. .. .. Guns, Rifles, Revolvers, Implements. Contractors to H.M. War and India Offices.	41, 42 and 43, Whittall Street, Birmingham	—	"Bland" ..	A B C, 4th & 5th Eds.	148
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GEORGE LANE & SONS .. .. .. Woven Wire and Chain Spring Mattresses, Combination Spring Bedsteads, Wood Bedsteads. Bedding of every description.	Sterling Works, Brueton St., Birmingham	1198	"Bedding" ..	A B C, 5th Ed.	212

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SPUR & BIT MANUFACTURERS.					
R. COOPER & SONS, LTD.	40, High Street, Aston New Town, Birmingham	—	"Bits"	—	—
SQUARES.					
I. & D. SMALLWOOD .. .. Steel, Iron, Brass, for Engineers, Masons, Tinsmiths, etc. All kinds. Catalogues on application.	Leopold St., Birmingham ..	1661	"Rules" ..	—	200
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JAMES WHITFIELD .. .. Angle Rods, Antique Hammered Rods, Patent Lift-up Eyes for releasing Rods.	Anchor Works, Oxford St., Birmingham	674	"Pole"	—	294
STAMPERS.					
F. A. HARRISON, LTD. .. .. .. Flush Bolts, Glass Movements, Hooks, Blind Furniture, Tassel Hooks, Hinges, Lifts, etc.	Albion Works, Legge Lane, Birmingham	693	"Fasten" ..	—	283
TAYLOR, LAW & CO. .. .. .. Jelly Moulds, Cake Tins, Icing Tubes, Chocolate Moulds, etc. (See also Japanner & Tin Plate Worker).	Anchor Works, Adam Street, Birmingham	3112	"Haloo" ..	—	279
STAMPERS AND PIERCERS.					
WM. J. BAKER	27-31, Northwood Street, Birmingham	2335	—	—	—
BANKS & DAVIS	River Street, Deritend, Birmingham	697	—	—	—
W. H. BRISCOE & CO. .. .. .. Manufacturers of Pressed and Turned Parts to the Cycle, Electrical Chandelier and Motor Trade.	32 and 33, Cox St., St. Paul's Square, Birmingham ..	1346	"Brisk" ..	—	146
A. S. CARTWRIGHT, LTD. .. .. .. Toy, Negro and Ferrette Bells.	Ford Street, Hockley, Birmingham	4176	"Holdfast" ..	—	—
ISAAC CLEMENTS .. .. Stamper and Piercer in Brass, Copper, Drilled Steel and German Silver.	32-36, Holloway Head, Birmingham	1805	"Cadence" ..	—	269
WM. DEA IN & CO.	7, George Street Parade, Birmingham	3277	—	—	—
H. DERRICOTT .. .. Finger Plates, Lock Knobs, and all kinds of Builders' Brassfoundry. Cake Baskets a Speciality.	Penn Street, Belmont Row, Birmingham	1924	—	—	282
J. W. EVANS .. .. Die Sinker and Toolmaker for the Jewellery, Silver-smiths and Electro-Plate Trade.	54 and 55, Albion Street, Birmingham	4075	"Designer" ..	—	—
HERBERT KERSHAW & CO., LTD. ..	74, Dean St., Birmingham ..	1117	"Duplex" ..	—	—
JOHN LAWTON & SONS .. .. .. Brassfounders. Manufacturers; Door Furniture, Finger Plates, Speciality—Stamping for Electrical Trades, etc.	Harford Street, St. George's, Birmingham	2210	"Specialities"	—	265
CHAS. WEBB & SONS, LTD.	80, William Street, Lozells, Birmingham	Handsworth 85	"Lansdown"	A B C	—
CHAS. WESTWOOD & SONS .. .. All kinds of Sterling Silver and German Silver Stampings in Stock.	14, Hall Street, Birmingham	14 Jewellers	—	—	174
STAMPERS (General).					
JOSEPH SANKEY & SONS, LTD. .. Also Manufacturers of Iron and Steel Sheets, and Enamellers.	Albert Street Works, Bilston	5	"Sankey" ..	—	226

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THOS. P. HAWKINS & SON	27, Dale End, Birmingham	—	"Hawkeye"	—	—
STATIONERS' SUNDRIES MANUFACTURERS.					
C. J. ADIE & NEPHEW Inkstands, Letter Racks, Smoking Cabinets, Gongs in Wood and Metal.	Novelty Works, Warstone Lane, Birmingham	4482	"Elephant"	—	236
JOHN S. DOWNING	Crown Works, Commercial Street, Birmingham	2172	"Downing"	—	—
DUNN & TAYLOR Cash Boxes and Letter Boxes.	Burbury St., Birmingham	3720	—	—	277
M. A. LLOYD & SON	47, Princip Street, Birmingham	1468	—	—	—
SETTEN & DURWARD	117-118, Livery St., Birmingham	3496	"Sundries"	—	—
STATIONERS.					
BEMROSE & SONS LTD.	Irongate, Derby	215	"Bemrose"	—	290
STATIONERS (Wholesale).					
JAMES SPICER & SONS	120-122, Edmund Street, Birmingham	355, 1241, 2151	"Spicer"	—	—
STATIONERY CABINET MANUFACTURER.					
A. S. WILKIE	352, Moseley Rd., Birmingham	—	—	—	—
STEAM ENGINES.					
BELLISS & MORCOM, LTD. Engines for Electric Lighting; Power; Traction and Mill Driving; also Condensing Plants.	Ledsam Street, Birmingham	—	"Belliss"	A B C, 5th Ed.	184
STEAM FITTINGS AND BOILER MOUNTINGS.					
PAYNE & GRIFFITHS Cocks, Valves, Lubricators, Injectors, Test and Hydraulic Pumps, Motor Parts, etc.	Tudor Works, Ladywood Rd., Birmingham	3481	"Thermal"	—	—
STEAM MAINS.					
JOHN SPENCER, LTD. High Pressure Steam Mains, Feed, Exhaust and Water Pipes, Steel or Iron.	Globe Tube and Engineering Works, Wednesbury	4 & 53	"Tubes"	A B C	232
STEEL MANUFACTURERS.					
THOMAS MILLINGTON & CO.	79 & 80, Weaman Street, Birmingham	930	"Milling"	—	—
THE TEUTONIC STEEL WORKS LTD.	Sheffield	2773	"Teutonic"	Lieber's and A B C, 4th Ed.	
JAMES FAIRLEY & SONS	Shadwell St., Birmingham	253	"Fairley"	—	—
STEEL & FILE MANUFACTURERS.					
ARMAND DREYFUS & CO.	Temple Courts, Temple Row, Birmingham	—	—	—	—
STEEL CASTINGS.					
THOS. CLIVE & SON Mild Steel Castings for Engineering and Motor Trades.	Staniforth St., Birmingham	04937	"Clive"	—	194
STEEL FOUNDERS.					
GROSVENOR FOUNDRY (W. J. Standley, Proprietor.) All kinds of Steel and Malleable Iron Castings. (Established 1820.)	5-8, Grosvenor St., Coleshill St., Birmingham	4159	—	—	152
STEEL HINGES.					
GOLD & CO. Hinges, Patent, Wrought, Bright, Cold-rolled Butt Hinges, etc.	Love Lane, Birmingham	1878	"Hinges"	—	—

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STEWARTS AND LLOYDS, LTD.	41, Oswald Street, Glasgow	1945 1946 1947 Argyle	"Lapweld," Glasgow	—	8
STEEL STRUCTURAL ENGINEERS.					
RUBERY, OWEN & CO. .. .. .. Steel and Iron Bridges, Roofs, Tanks, Girders, Stancheons, Smithwork, Forgings, etc., etc.	Darlaston, Staffs.	22	"Roofs" ..	A B C.	158
STEEL TOY MANUFACTURERS.					
BERKELEY & CO.	288, Windsor Street, Birmingham	2609	—	—	—
JAMES HEELEY & SONS, LTD.	Hampton St., Birmingham..	—	—	—	—
WYNN, TIMMINS & CO., LTD.	Commercial St., Birmingham	630	"Century" ..	—	—
STOVE MANUFACTURERS.					
JOHN WRIGHT & EAGLE RANGE, LTD. ..	Thimble Mill Lane, Aston, Birmingham	283 & 284 Aston	"Eureka" ..	—	—
STRONG ROOM DOOR MANUFACTURERS.					
WHITFIELD'S SAFE & DOOR CO. ..	Oxford Street, Birmingham	641	"Safes" ..	—	160
STUD, SLEEVE LINKS, & FANCY GOODS MANUFACTURERS.					
C. H. COLLINS & SONS .. .. .. Collar Studs, Shirt Studs, Sleeve Links, Solitaires, Fancy Vest Buttons and all classes of Gents' Jewellery.	47-48, Hockley Hill, Birmingham	0449 Jewellers.	—	—	—
HAMMOND, TURNER & SONS, LTD. .. Every kind of Studs, Links, Solitaires, Scarf Clips, Tie Retainers, Sock Supports, Tea Infusers and Strainers, etc., etc.	Summer Hill, Birmingham	2106	"Lion"	A B C.	6
HENRY OWEN & SONS, LTD. .. .. Patentees of Studs, Links, Lockets, Hat Pins, Ladies' Collar Supports, etc.	Caroline Street, Birmingham	2181	"Deversum"	—	8
S. PARKES & SONS .. .. Speciality: Rolled Gold Alberts, Sleeve Links, Studs, Medals, Guards, Necklets, etc. Marked S. P. & S.	7, Bath Street, Birmingham	05088	"Parkes" ..	—	162
SURGICAL APPLIANCE MANUFACTURERS.					
FAITHFUL ASH	113-115, Edmund Street, Birmingham	1929	—	—	—
CUXSON, GERRARD & CO., LTD. ..	Crown Buildings, Corporation Street, Birmingham ..	1706	"Dressings"..	—	—
TABLES FOR BARS & CAFÉS.					
FREDK. HUFTON	Conybere Works, Conybere Street, Birmingham ..	1096	"Hufton," .. Conybere Works	—	—
TACKS.					
DAVID POWIS & SONS .. .. .. Copper Rivets, Washers, Boat Nails, Roves, Tacks, Slate Nails, Sheathing Nails.	Floodgate St., Birmingham	631	"Powis" ..	—	18
TAILORS.					
GEORGE B. ASHFORD, LTD.	266, Broad St., Birmingham	1347 Centr'l	—	—	—
TANK AND CISTERN MANUFACTURERS.					
ARKINSTALL BROS. .. .. Manufacturers of Fire Bucket Tanks (Patent), and Fire Buckets, Air Conduits, etc	11-16, Milk St., Birmingham	193	—	—	—

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JOSEPH ASH & SON .. .. Cisterns, Cylinders, Wheelbarrows, Buckets, Corn Bins, Annealing Pans, Work-Pans, Dust-bins, etc.	Rea St. South, Birmingham	474	"Tanks" ..	—	—
WALLS LIMITED .. .. Tanks, Cisterns, Piping, etc.	Fazeley St., Birmingham ..	582	"Brazier" ..	A B C, 5th Ed.	294
TANNERS.					
GEORGE MUSCOTT & SON, LTD. .. Tanners of Pine Bark-tanned Sole, Butts, and Offal.	Yardley Tannery, Acock's Green, Birmingham ..	0548	"Muscott," .. South Yardley	—	—
TAPE MEASURES.					
I. & D. SMALLWOOD .. .. .. Linen & Metallic Wind-up Measuring Tapes, Steel Tapes, Band Chains, Spring Tapes.	Leopold Street, Birmingham	1631	"Rules".. ..	—	200
TEA MERCHANTS (Wholesale).					
ABSALOM CROCKER & CO.	Seymour Street, Birmingham	1358	—	—	—
TEA AND COFFEE SERVICES.					
SAMUEL GROVES .. .. Speciality: Tea and Coffee Services and Nickel-plated Waiters.	69, Broad St., Birmingham ..	1200	—	—	168
TELEPHONES.					
NATIONAL TELEPHONE CO., LTD. ..	Victoria Embankment, London, E.C.	—	—	—	—
TERRA COTTA & SANITARY PIPE MANUFACTURERS.					
GIBBS & CANNING, LIMITED	Glascote Works, Tamworth	0197	"Gibbs, Canning"	—	—
THIMBLES (Sewing).					
THOMAS JOHNSON & SONS .. .. In Steel, Electro Silver, Brass, etc. Boxed in plain and fancy boxes. Show and Window Cases, etc.	Whitehouse St., Aston Road, Birmingham	74y	"Thimbles" ..	—	136
TIMBER MERCHANTS.					
RUDDERS & PAYNES, LTD.	Saw Mills, Chester Street, Birmingham	2529	"Sawmills"..	—	—
GEORGE SHIPWAY	Moseley Street, Birmingham	19	—	—	—
TIN AND IRON-PLATE WORKERS.					
TAYLOR, LAW & CO. .. .. Household and Confectionery Tin Goods. (See also Japanners and Stampers.) Write for Catalogue.	Anchor Works, Adam St., Birmingham	3112	"Halloo" ..	—	279
THOMAS H. HILL & SONS, LTD. .. All descriptions of Tin, Iron-plate, Japanned, Brass, and Copper Goods.	Astræa Works, Thomas St., Wolverhampton	365	"Tinware" ..	—	222
THE VALOR COMPANY, LTD.	Rocky Lane, Aston Cross, Birmingham	1653	"Valor".. ..	—	—
TIN AND LEAD FOIL MANUFACTURERS.					
GEORGE JOHNSON & CO.	Montgomery St., Birmingham	242	"Rouleau" ..	—	—
TINGLE AND RIVET MANUFACTURERS.					
GEO. SKELTON & SON	Milton Works, George Street Parade, Birmingham ..	2863	"Tingles" ..	—	—
TIN-PLATE & METAL MERCHANTS.					
WM. CORBETT & CO....	74, Summer Row, Birmingham	545	"Corbett" ..	—	—

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ASH BROTHERS & HEATON, LTD. ..	Dartmouth St., Birmingham	831	"Caledonia"..	—	—
THOS. BULPITT & SONS	153-157, Camden Street, Birmingham	1748	"Bulpitt" ..	—	—
MATTHEW J. HART & SONS	35-37, Great Barr Street, Birmingham	13	"Argyle" ..	—	—
NEWTON, SHAKESPEARE & CO. .. .. Best Bright Tin and Japanned Wares for Domestic and general use. Dairy Utensils, Baths, etc.	59-61, Garrison Lane, Birmingham	702	"Garrison" ..	—	**270**
TOBACCONISTS.					
J. HOLLINGSWORTH & SON	122, New St., Birmingham ..	—	—	—	—
TOBACCO PIPES (The Original Asbestos).					
THE JACKSON ASBESTOS MANUFACTURING CO. .. .. Sole Manufacturers of Jackson's Patent Real Asbestos Pipes, Cigar and Cigarette Holders.	Asbestos Works, Jenkins St., Birmingham	—	—	—	**232**
TOILET BRUSH MANUFACTURERS.					
LEE & JAMES, LTD. .. .. Manufacturers of all kinds of Toilet and other Brushes.	Albion Works, Moseley St., Birmingham	1673	"Brush" ..	A B C, 4th & 5th Ed., Western Union.	**180**
TOILET AND FANCY GOODS MANUFACTURERS.					
D. & L. SPIERS .. .. All kinds of Silver Toilet and Fancy Goods.	Standard Works, Vittoria St., Birmingham	Jewellers 82 & 182	"Spiro".. ..	—	**6**
TOOL MAKERS.					
MORTON & CROWDER, LTD. .. .. Models and Tools made for small Inventions. Inventors' ideas worked out.	Brearley Street, Birmingham	246 Jewellers.	"Maze".. ..	A B C.	**288** **289**
TOOL STEEL.					
THOMAS MILLINGTON & CO. .. .. Specially adapted for Engineers, Toolmakers, Brassfounders, and all Manufacturing Trades.	79 & 80, Weaman Street, Birmingham	930	"Milling" ..	—	—
TRADE PROTECTION ASSOCIATION.					
THE BRITISH TRADERS' ASSOCIATION FOR THE PROTECTION OF TRADE (Managers—Corfield & Cripwell).	12, Cherry St., Birmingham	1489 & 386	"Status" ..	—	—
TRAMWAYS (Electric).					
CHAMBERLAIN & HOOKHAM, LTD. .. Wall-hour Meters for switchboards, and Meters for fixing on tramcars.	New Bartholomew Street, Birmingham	2161	"Solar".. ..	A B C, 5th Ed.	**16** **17**
TRANSFER PRINTER.					
H. M. STEVENSON	Edmund Street, Birmingham	427a	"Stevenson"	—	—
TRUNK MANUFACTURERS.					
NEWTON, SHAKESPEARE & CO. .. Improved Patent Trunk Fastenings and Mounts.	59-61, Garrison Lane, Birmingham	702	"Garrison" ..	—	**270**
TUBE MANUFACTURERS.					
ANCHOR TUBE CO.	Gas Street, Birmingham ..	521	"Anchor" ..	—	—
WILLIAM BAYLISS, LTD.	Islington Tube Works, Sheepcote Street, Birmingham	1409, 2133, 2761	"Drawbench"	A B C, 5th Ed.	—

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TUBE MANUFACTURERS—*contd.*					
BENTON & STONE	Bracebridge St., Birmingham	2544	"Enots" ..	—	—
BIRMINGHAM BATTERY AND METAL CO., LTD. .. .. Brass and Copper for Locomotives, Condensers, Steam, Gas, etc.	Selly Oak, Birmingham ..	Selly Oak, 51 & 52	"Battery," Selly Oak..	A B C, A1.	164
JOHN BROTHERTON, LIMITED .. .. Makers of Tubes and Fittings, all sizes.	Imperial Tube Works, Wolverhampton	22 & 51	"Imperial" ..	—	230
GEORGE BURN	114, Moland St., Birmingham	1835	—	—	—
CHARLES CLIFFORD & SONS, LTD. ..	Fazeley Street, Birmingham	43	"Clifford" ..	A B C, 5th Ed.	—
COPE, ALLMAN & CO., LTD.	Icknield Square, Birmingham	3531	"Allman" ..	A B C, 5th Ed.	—
DUGARD BROS. .. .. Brazed, Seamless and Best Mandril Tubes in Brass and Copper for Optical and Scientific purposes, Pumps, Syringes, etc.	Vulcan Mills, Bridge Street West, Birmingham.. ..	98	"Vulcan" ..	—	291
ALLEN EVERITT & SONS, LTD. ..	Kingston Metal Works, Smethwick	29	"Everitt" ..	—	—
GRICE, GRICE & SON, LTD.	Sheepcote St., Birmingham	102	"Grice".. ..	—	—
METALLIC SEAMLESS TUBE CO., LTD. Cycle, Motor and Engineering Tubes.	Wiggin Street, Birmingham	2245	"Flask" ..	—	279
JAMES McDOUGALL, LTD.	Mesty Croft, Wednesbury	31	"McDougall"	—	—
PATENT BUTTED TUBE CO., LTD. ..	Newtown Row, Birmingham	512	"Butted" ..	—	—
PERFECTA SEAMLESS STEEL TUBE CO., LTD.	Plume Street, Aston, Birmingham	2571	"Perfecta" ..	—	—
JAMES RUSSELL & SONS, LTD. ..	Crown Tube Works, Wednesbury	2	"Russell" ..	—	—
JOHN SPENCER, LTD. .. .. .. Gas, Water, Steam Tube, butt and lap-welded, all sizes and joints.	Globe Tube and Engineering Works, Wednesbury ..	4 & 53	"Tubes" ..	A B C.	232
H. H. VIVIAN & CO., LTD.	Icknield Port Road, Birmingham	54	"Vivians" ..	A B C.	—
WELDLESS STEEL TUBE CO., LTD. ..	Icknield Port Road, Birmingham	275 & 4829	"Weldless" ..	—	—
GEORGE WHITEHOUSE & CO.	William Edward Street, Birmingham	3413	"Casetubes"	—	—
JOHN WILKES, SONS, & MAPPLEBECK, LTD.	Liverpool St., Birmingham..	109	"Wilkes" ..	A B C.	—
J. WILKINSON & SONS	Adderley Road, Saltley, Birmingham	28	"Syenite" ..	—	—
WILLIAMS BROS. & PIGGOTT, LTD. ..	Herbert Road, Small Heath, Birmingham	3379	"Tubes" ..	A B C.	—
TUBES & FITTINGS.					
STEWARTS AND LLOYDS, LTD. .. .. Every description of Wrought-iron and Steel Tubes, and Fittings.	Nile Street, Birmingham ..	5032, 5031, 5030	"Lloyds," Birmingham	A B C.	8
	41, Oswald Street, Glasgow..	1945, 1946, 1947, Argyle	"Lapweld," Glasgow ..	—	
TUBES (CASED, Brass and Copper).					
J. & J. BENT	Freeman Street, Birmingham	1739	—	—	214
DOBBS BROS., LTD.	Great Tindall Street, Birmingham	3594	"Rods".. ..	—	—
TWINE, ROPE, AND GENERAL CORDAGE GOODS MANUFACTURERS.					
D. CLARK & SONS .. .. Also Manufacturers of all kinds of Brushes, etc.	Stafford Street, Walsall ..	74	"Brushes" ..	—	190

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J. B. BROOKS & CO., LTD. .. .. Manufacturers of Puncture-Proof Non-Skid Tyres and Bands, and other Automobile Specialities.	Great Charles Street, Birmingham	1213, 5174	"Brooks" ..	A1. A B C, 4th Ed. Tradergrams.	138
UMBRELLA RIBS, TUBES AND FURNITURE.					
WRIGHT, BINDLEY & GELL, LTD. ..	Registered Offices: — Armstrong Works, Chester St., Birmingham.	407	"Bindley" ..	A B C, 5th Ed.	—
UNDERTAKERS' REQUISITES.					
GORDON & MUNRO .. .. All kinds of Coffin Furniture, Shrouds, Frillings, Linings, etc. Home and Export.	13, 14, 15, 16, Horse Fair, Birmingham	04848	"Funeral" ..	—	—
UPHOLSTERERS' WAREHOUSEMEN.					
KEAN & SCOTT, LTD. .. .. .. Velvets, Tapestries, Leathers, Window Blinds and all kinds of Upholstery Trimmings.	Lower Priory, Birmingham..	498	"Kean Scott"	—	178
VAN AND WAGON BUILDERS.					
BUCKINGHAM, LTD.	Bradford St. and Sherlock St., Birmingham	3754	—	A B C	178
VARNISH MANUFACTURERS.					
FREDK. CRANE CHEMICAL CO. .. .. Electric Lamp Varnishes (Coloured and Frosting), Electrical Insulating Varnishes, Celluloid Varnishes, Cements.	22 and 23, Newhall Hill, Birmingham	2379	"Chemical"..	A B C, 4th Ed.	168
DOCKER BROTHERS, LTD.	Rotton Park St., Birmingham	3522	"Japan" ..	—	—
GITTINGS, HILLS & BOOTHBY, LTD.	Tower Varnish Works, Aston, Birmingham	2597a	"Gittings" ..	—	—
ARTHUR HOLDEN & SONS, LTD. ..	Bradford Street, Birmingham	1107	"Varnish," Birmingham	—	198
MEREDITH & CO. .. .. Varnish, Patent "Aninei" and all other highest class Varnishes made, suitable for all Climates.	18th Century Varnish and Colour Works, Western Road, Birmingham	1387	"Meredith," Birmingham	A B C, 5th Ed.	204
THOMAS MERRY & CO., LTD. .. .. Drysalters, Oil Importers, Varnish, Paint and Colour Manufacturers.	Registered Offices: 75 and 76, Suffolk Street.	1203	"Drysalters"	—	182
	Works: 155-160, Alcester St., Birmingham	1914	—	—	
THORNLEY & KNIGHT, LTD.	Bordesley Green Road, Birmingham	50 Small Heath.	"Thornley" ..	—	—
VETERINARY MEDICINES.					
B. C. TIPPER & SON .. .. "Vitalis," a Fever Drink, Embrocation, Horse Balls, Harness Compo., Disinfectants.	The Veterinary Chemical Works, 43 & 45, Homer St., Balsall Heath, Birmingham	204 South	—	—	—
VINEGAR BREWERS.					
FARDON'S VINEGAR CO., LTD.	Glover St., Birmingham ..	1185	"Fardon" ..	—	—
HOLBROOKS, LIMITED	Ashted Row and Dartmouth St., Birmingham, & Stourport, Worcestershire. London Office: — Chesney Chambers, 64, Leadenhall Street, London, E.C.	448	"Vinegar" ..	A B C, 4th, A1, and Private.	—
WAITERS AND TRAYS.					
FRANK HAWKER CARPATHIAN SILVER CO., LTD. .. .. The largest maker of Plated Waiters in the World. Specialities:— Milenda and Marvel Waiters.	Argosy Works, Spencer St., Birmingham	4256	"Argosy" ..	—	—
WILLIAM HAYWARD & SONS .. .. Japanned, Carpathian Silver, Camden. Advertising in Japanned Carpathian Silver, Brass & Copper.	Tray Works, 16, 18, 20, 22, Camden Street, Birmingham	5480	—	—	—

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F. NARBOROUGH	42, Lombard Street, Birmingham	05023	"Narborough"	A B C.	—
WALL PAPER MANUFACTURER.					
CHARLES A. LINE .. .. Hand Stencilled Friezes, Coloured Photographic reproductions mailed gratis, one-eighth full size.	Cornwall Street Works, Birmingham	1194 2034	"Chasalin" ..	—	—
WAREHOUSEMEN.					
KEAN & SCOTT, LTD. .. .. .. Upholstering Fabrics, Table Covers, Curtains and Bedding.	Corporation St., Birmingham	755	"Kean Scott"	—	178
POLLEY & CLARK, LTD.	66-72, Corporation St., Birmingham	540	—	—	—
WILKINSON & RIDDELL, LTD.	42, Cherry Street, Birmingham	4646 & 4647	"Wilkinson" ..	—	—
WATERING POTS.					
FRANCIS HILL .. .. "Improved Haws" & "Nonpareil" Watering Cans. Wrought-iron Kettles and General Hollow-ware.	Belmont Works, Birmingham	1037	"Nonpareil" ..	—	178
WATER FILTRATION.					
INTERNATIONAL PURIFICATION SYNDICATE .. .. "Polarite" best Filtrant for obtaining Pure Clear Water on small Filtration Area.	Central House, New Street, Birmingham	2929	"Aveling," Birmingham	—	266
WATER FITTINGS.					
SPERRYN & CO., LTD. .. .. .. Manufacturers of all kinds of Screw-down Bib and Stop Cocks, etc.	253, Hospital St., Birmingham	—	"Sperryn," Birmingham	—	240
WATER PIPES.					
JOHN SPENCER, LTD. .. .. Steel or Iron Pipes, with Socket and Spigot Joints or Kimberley Collars.	Globe Tube and Engineering Works, Wednesbury ..	4 & 53	"Tubes" ..	A B C.	232
WAX FIGURES & DISPLAY FORMS.					
HARRIS & SHELDON, LTD. .. .. Manufacturers of all kinds of Wax Figures, Costume Stands, Blouse Stands, etc., for Shops & Showrooms.	Stafford St., Birmingham ..	462 & 463	"Fittings" ..	—	Back Cover
WEIGHING MACHINE MANUFACTURERS.					
W. & T. AVERY, LTD.	Soho Foundry, Birmingham	Smethwick 134 2 lines	"Avery," Birmingham	A B C, 5th Ed., A 1	—
DAY & MILLWARD, LTD.	Suffolk St., Birmingham ..	587	"Scales" ..	—	—
G. & B. MORVAN	33 & 34, Cardigan Street, Birmingham	—	—	—	—
H. POOLEY & SONS, LTD.	11, Temple St., Birmingham ..	701	"Pooley" ..	—	—
WHEELBARROWS (Iron) MANUFACTURERS.					
BRIERLEY & SONS	Essington Works, Sheepcote Street, Birmingham	1417	"Brierleys," Birmingham	—	180
WHIP MANUFACTURERS.					
T. NORTON & CO.	Lion Works, Porchester St., Birmingham	4934	—	—	291
W. SHAMMON & SONS .. .. .. Also Manufacturers of all kinds of Saddlery, Harness, etc.	Moseley St., Birmingham ..	1330	"Shammon"	—	220
C. & J. ZAIR .. .. Makers of the Celebrated "Stag's Head," "Merle" and "Kangaroo" Brands, for all Markets.	Bishop Street, Birmingham ..	—	—	—	—

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THOMAS JOHNSON & SONS .. .. Manufacturers of Whip Mounts, etc., in Polished Brass, and Brass Nickel-Plated.	Whitehouse Street, Aston Road, Birmingham	74y	"Thimbles" ..	—	136
WHISTLE MANUFACTURERS.					
A. DE COURCY & CO. .. .. .. Patentees and Manufacturers for Police, Railway Guard's Whistle and Knife. Also The "City," The "Thunderer," The "Assistance," The "Syren," etc. Contractors to H. M. Government.	Frankfort St., Birmingham..	184x	—	—	266
J. HUDSON & CO.	11-13, Barr St., Birmingham	2109	—	—	—
WINDOW BLIND MANUFACTURERS.					
BIRMINGHAM BLIND CO.	Alcester St., Birmingham ..	—	—	—	—
WINE AND SPIRIT MERCHANTS.					
MACKIE & GLADSTONE, LTD.	88 to 91, Dale End, Birmingham	459	"Mackie" ..	—	—
JOSEPH SHORE & SON .. .. .. Wine and Spirit Merchants, and Importers of Havana Cigars. "Shore's Liqueur Scotch Whisky."	11, Easy Row, Birmingham..	1228	"Shore".. ..	A B C.	265
WIRE MANUFACTURERS.					
DUGARD BROS. .. .. Brass and Copper, Round, Shaped, and Straight. Gun-Metal Turning Rod for Capstan Lathe Work.	Vulcan Mills, Bridge Street West, Birmingham	93	"Vulcan" ..	—	291
A. E. GODRICH & CO.	Wharf St., Aston, Birmingham	2659	—	—	—
HEATON & DUGARD .. .. Specialists in Fancy and Shaped Wires, Mouldings, Sash Bars, Railway Door Plate, etc.	Shadwell Street, Birmingham	39	"Heagard" ..	—	268
KINGS NORTON METAL CO., LTD. .. Also Manufacturers of Rolled Metals, Aluminium, German Silver, Lead, etc.	Kings Norton, Nr. Birmingham	—	"Metal" Kings Norton	—	224
F. A. POWER & SON	Midland Wire Mills, Saltley, Birmingham	2545	"Ingot".. ..	—	—
STANLEY SMITH & CO.	Louisa Street, Birmingham..	3354	—	—	—
HENRY P. TAY	130, Leopold St., Birmingham	572	"Tay"	—	—
D. F. TAYLER & CO., LTD...	New Hall Works, Birmingham	4535	"Epingles" ..	—	—
J. & T. WAITE	Clarence Works, Morville St., Birmingham	252	—	—	—
THOS. WHITE & SONS.. .. .. .. Cast Steel and Iron Wires for Needles, Fish Hooks, Springs, Safety Pins, etc. Cutting a Speciality.	Balsall Heath, Birmingham..	113 South	"White" ..	—	—
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JOSEPH NICHOLS & SON, LTD... ..	Cheapside Wire Works, Birmingham	500	"Wirework"..	—	—
WILLIAM SMALL & SON	69, Moseley Street, Birmingham	—	—	—	—
WIRE MATTRESS MANUFACTURERS.					
GEO. GALE & SONS, LTD... .. .. Wire Spring Mattresses for all Markets. Speciality—"Dominion" Spring Mattresses for Export.	Dominion Works, Birmingham	1333	"Dominion" ..	—	Back Cover
JOHN & JOSEPH TAUNTON, LIMITED Woven Wire and Link Spring Mattresses of every description.	Sherbourne Road, Balsall Heath, Birmingham ..	1727	"Sure".. ..	A B C.	262
WALES, LIMITED	Oozells Street, Birmingham..	839	"Mattress" ..	—	—

TRADE INDEX—*continued.*

TRADE AND NAME.	ADDRESS.	Telephone No.	Telegraphic Address.	Code used.	Advt. page.
WIRE ROPE MANUFACTURERS.					
LATCH & BATCHELOR, LTD.	Hay Mills, nr. Birmingham	3338	"Latch" ..	A B C, 4th Ed., and A 1.	—
MIDLAND WIRE CORDAGE CO. (DAVISON'S).	Orchard Works, Vincent St., Balsall Heath, Birmingham	3120	"Orchard" ..	—	—
JOHN & EDWIN WRIGHT, LTD. .. .. Highest quality Steel Wire Ropes for Mining and Engineering purposes.	Universe Works, Birmingham	707	"Universe" ..	A B C.	218
WIRE WHEELS FOR MOTOR CARS.					
RUDGE-WHITWORTH, LTD.	Registered Offices:—Crow Lane, Coventry	404	"Rudge" ..	A B C, 5th Ed.	130
WIRE WHEELS FOR RICKSHAWS.					
RUDGE-WHITWORTH, LTD.	Registered Offices:—Crow Lane, Coventry	404	"Rudge" ..	A B C, 5th Ed.	130
WOOD AND BONE WORKERS.					
GEO. WINGROVE & SON	Floodgate St., Birmingham	3910	—	—	—
WOOD CARVERS.					
THE WOOD CARVING CO., LTD. .. .. Architectural and Cabinet Carvers, Moulding Manufacturers.	Windsor Street, Birmingham	05166	"Carvings" ..	—	162
WOOD TURNERS.					
EDWARD COLLIER & SONS, LTD. .. Wood Door Furniture and Finger Plates, Wardrobe Lock Furniture, Glass, Screws, and Cupboard Turns.	Barker Street, Parade, Birmingham	564	—	—	—
WOOLLEN FELT HAT MANUFACTURERS.					
HALL & PHILLIPS, LTD. Men's, Ladies', Children's Hats, Fezzes, Malay Caps, etc. See advertisement, page 206.	Nuneaton	17	"Hall," Nuneaton..	—	206
WOOLLEN MERCHANTS AND MANUFACTURERS.					
SAMUEL BODDINGTON & SONS	20, Cannon Street, Birmingham	2961	"Metchley" ..	—	—
ZINC MERCHANTS AND MANUFACTURERS.					
S. TAYLOR & CO. .. .. Eaves-Gutters, Down-Pipes, Heads, Corrugated Sheets, Chimney Pipes, Cowls, Weather Vanes, etc.	145-147, Lionel Street, Birmingham	Centr'l 81	"Zinc," Birmingham	—	267

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‡**CALDICOTT, ‡HILL & §CALDICOTT,** 10, Newhall Street, Birmingham	1742
‡**CARTER & CO.,** 33, Waterloo Street, Birmingham	89
§**CHAPMAN, JOHN, & §BOWKER,** Queen's College, Paradise Street, Birmingham	1837
‡**CHARLTON & §LONG,** 5, Waterloo Street, Birmingham	1757
‡**EDWARDS, ALLEN & CO.,** 90, New Street, Birmingham	395
§**FELTON & CO.,** 131, Edmund Street, Birmingham	753
GRIFFITHS & §KEELING, 109, Colmore Row, Birmingham	1445
HARRISON, ‡WEST, ‡LEDSAM & CO., 15 and 16, Waterloo Street, Birmingham	178
‡**HEATHCOTE & ‡COLEMAN,** 13, Temple Street, Birmingham	751
‡**IMPEY, FRANK, & CO.,** 37, Newhall Street, Birmingham	505
‡**IMPEY (R. L.), ‡GUDWORTH, & ‡LAKIN-SMITH,** 26, Waterloo Street, Birmingham	181
§**KIMBERLEY, §MORRISON & CO.,** 55, Temple Row, Birmingham	5177
§**McPHERSON, CHAS. H.,** 109, Colmore Row, Birmingham	4356
§**POPPLETON & §APPLEBY,** 26, Corporation Street, Birmingham	3264
‡**POWELL, §JEROME & CO.,** 15, Newhall Street, Birmingham	172
SHARP, ‡PARSONS & CO., 120, Colmore Row, Birmingham	183
§**SHORT, ARTHUR,** 21, Waterloo Street, Birmingham	165
§**SMITH, C. HERBERT, & CO.,** 82, Colmore Row, Birmingham	3247
§**TYNDALL, WARREN,** 86, Colmore Row, Birmingham	1251
§**WILLIAMS, T. O., & PAYNE,** 20, Cannon Street, Birmingham	1546

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NEWEY, WILLIAM LEWIS, 39, Temple Row, Birmingham	—

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BARKER, GEORGE, 77, Colmore Row, Birmingham	1300
BROMHEAD & CO., 121, Colmore Row, Birmingham	398x
FUERY, GEO. T., 11, Burlington Chambers, New Street, Birmingham	881
COOLD, LEWIS W., 5, Corporation Street, Birmingham Information relating to Protection of Inventions by Patent, and Designs and Trade Marks by Registration, sent gratis on application.	2700
MARKS & CLERK, 13, Temple Street, Birmingham	666
POWELL, CHAS. T., Prudential Buildings, Corporation Street, Birmingham	301
SHAW, GEO., & CO., 35, Temple Row, Birmingham	4089
TURNER, A. W., Cobden Buildings, Corporation Street, Birmingham	—

SOLICITORS.

CLARKE, J. B., & CO., 40, Waterloo Street, Birmingham	1127
DUCKERS, J. SCOTT, Solihull	—
HOOPER & RYLAND, 45, Newhall Street, Birmingham	653
JOHNSON, BARCLAY, JOHNSON & LOWE, 36, Waterloo Street, Birmingham	199
PINSENT, R. A., 6, Bennett's Hill, Birmingham	121
REDFERN, FRANCIS (Junr.), 23, Colmore Row, Birmingham	180
SHAKESPEARE, W., & CO., 83, Colmore Row, Birmingham	495
TUNBRIDGE, W. S., 110, Edmund Street, Birmingham	1290

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LEE, J. C. TERRY, 1, Newhall Street, Birmingham	693
PAYNE, EDWARD J., & SON, 104-106, Colmore Row, Birmingham	—
RATHBONE, FREDK., 109, Colmore Row, Birmingham	—

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BAYLISS, T. R., J.P., Belmont, Northfield.

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KEEN, ARTHUR, J.P., London Works, Smethwick.

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SAMBIDGE, H. W., J.P., Augustus Road, Edgbaston, Birmingham.

TAYLOR, J. S., The Corinthians, Acocks Green.

TURNER, THOS., The Proof House, Banbury Street, Birmingham.

WALKER, A. R., Metchley Abbey, Harborne, Birmingham.

Associations.

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BIRMINGHAM AND MIDLAND COUNTIES GROCERS' PROTECTION AND BENEVOLENT ASSOCIATION, Carlton House, High Street.

BIRMINGHAM AND MIDLAND SOCIETY OF CHARTERED ACCOUNTANTS (Secretary, Howard Heaton), 8, Newhall Street.

BIRMINGHAM AND MIDLAND SOCIETY OF INCORPORATED ACCOUNTANTS (Secretary, Harold Harcourt), 71, Temple Row.

BIRMINGHAM JEWELLERS' AND SILVERSMITHS' ASSOCIATION, Frederick Street.

WARWICKSHIRE FELT HAT MANUFACTURERS' ASSOCIATION, Abbey Mills, Nuneaton.

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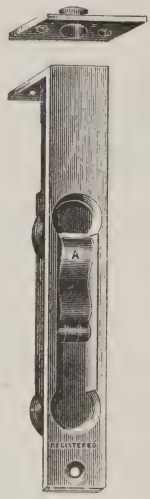
Patentee and Original Maker of the Solid Machine Made Butt Hinges known as the "ARROW" Brand.

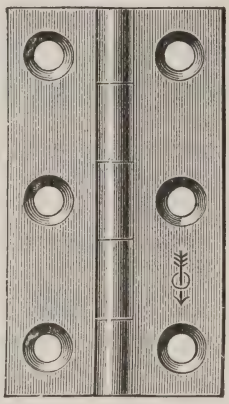
Interior and Entrance Door Furniture, Shop Door Locks and Latches, Espagniolette or French Window Bolts, Patent Ball and Roller Bearing Axle Pulleys, &c.

Patent Lever Action Flush Bolt.



No. 4436.

Patent Machine Made Solid Brass Butts.



Patent Roller Bearing Axle Pulley.

No. 1909.

French Window Bolt.

No. 2252.

102

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When purchasing BEDSTEADS, French or Four Post, or SPRING MATTRESSES, insist on having the

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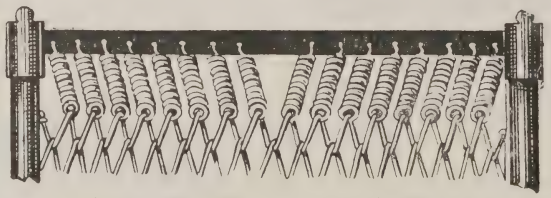
NOTE ☞ Special arrangement of Springs.



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Works cover 10 Acres. Employees number over 2,000.
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57

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CALABOZOS.
CANE KNIVES.

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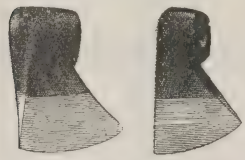
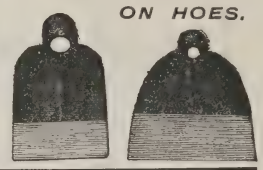
Matchets, Adzes, Axes, Plantation Edge tools of every description.



TRADE MARK
ON HOES.



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General Builders and Cabinet Brassfounders.

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112

TRADE MARK.

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SPECIALITE—CASTORS.

Flush Handles, Flush Bolts, Casement Fasteners, Door Handles, and every kind of Brassfoundry suitable for the Australasian, Chinese and Indian Markets.

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220

JOSEPH SHORE & SON, Wine & Spirit Merchants, Importers of Havana Cigars,

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Champagne	Bernard Frères.
,,	Falconnet Frères.
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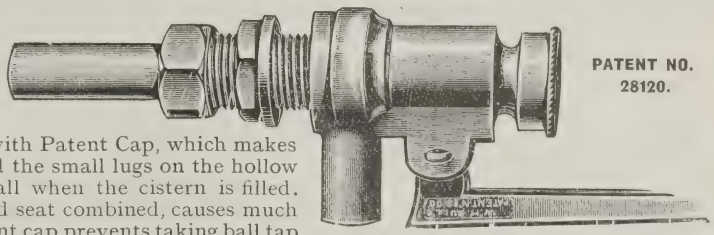
W. H. BULL'S PATENT BALL TAP.



PATENT NO. 28120.

This PATENT TAP has been tested and approved by various Water Departments of Great Britain. It is tested to stand over 400 lbs. pressure per square inch, and a sure preventative of cistern overflowing. It is fitted with Patent Cap, which makes repairing of same very easy, and the small lugs on the hollow plug prevent the vibration of ball when the cistern is filled.

Its hollow plug and lengthened seat combined, causes much less pressure on washer. The patent cap prevents taking ball tap out of cistern for repairing, by unscrewing the cap. It is suitable for all kinds of flushing cisterns and tanks.

PRICES ON APPLICATION. 34

JOHN LAWTON & SONS,

Brassfounders, Stampers, Piercers and Diesinkers,

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Manufacturers of

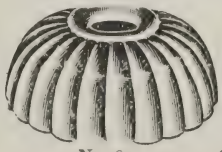
LAMP STANDS, CANDLESTICKS, FINGER PLATES, DOOR FURNITURE, BEDSTEAD KNOBS, MOUNTS, &c.

Speciality:

Stamping for the Electrical Trade.

No. 4133.

No. 4134.



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POLARITE

WATER & SEWAGE PURIFICATION.

APPLY

The INTERNATIONAL PURIFICATION SYNDICATE,

T. C. AVELING & Co., Ltd.,
Engineers.

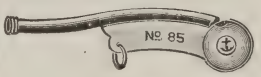
Central House, New Street,

BIRMINGHAM.

79

POLICE.

In 3 sizes.
THUNDERER.



In 3 sizes.
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POLICE AND KNIFE.

In 3 sizes.
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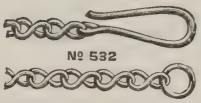

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CONTRACTORS TO
H.M. GOVERNMENT.

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Thunderer Whistle Works, Frankfort Street, BIRMINGHAM.

218

KOBABE & KUPHAL,

Manufacturers of every description of Bird Cages,

42/44, SUMMER ROW, BIRMINGHAM.

Special Attention given to Export Trade.

Best Quality. Workmanship Guaranteed.

SPECIALITY:—CANARY CAGE, TINNED AFTER MADE (*Patented*).

153

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Zinc & Galvanized Ironworks, Roofing Contractors & Constructional Engineers.

Patentees and Sole Makers of—

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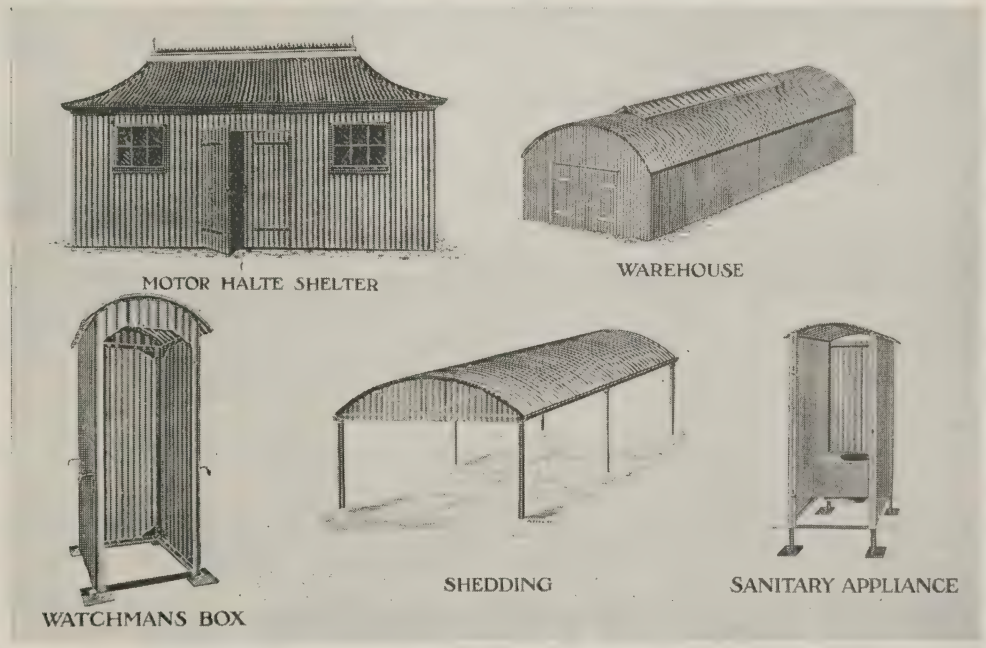
MANUFACTURERS of all kinds of Corrugated Iron and Zinc Roofs, Sheds, Warehouses, Lock-ups, Sanitary Appliances, Tram Car Sheds, Power Houses, Motor Sheds and Shelters, with Iron, Steel, or Wood framing, Supplied only or fixed complete. DISTANCE NO OBJECT.



Corrugated-Sheets, Eaves-Gutters, Down-Pipes, Ridge-Capping, Ventilators, and every description of Sheet Metal-work to order.

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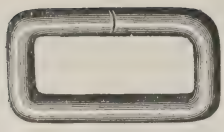
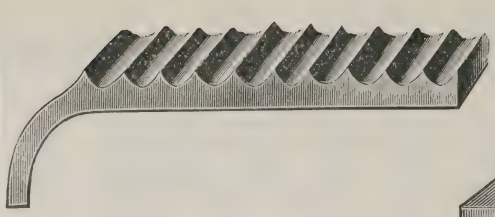
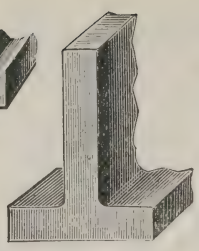
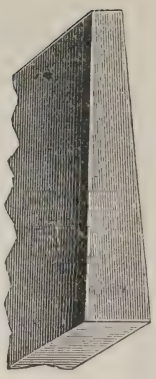

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BRASS AND COPPER SASH BARS.
RAILWAY CARRIAGE BEADING.
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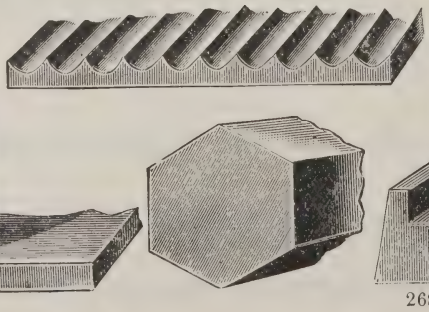
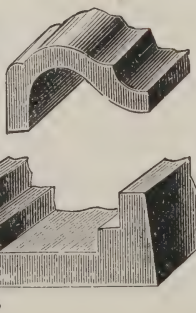
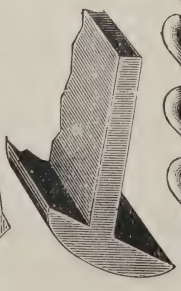
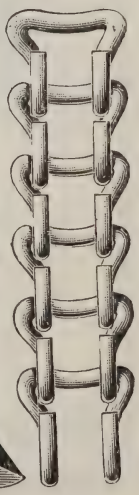
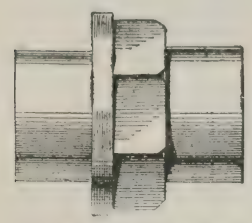
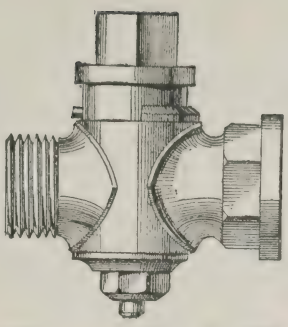
Shadwell Street Rolling Mills,

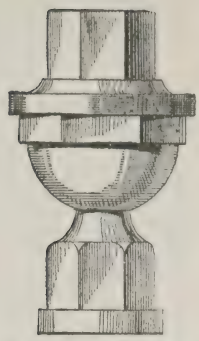
BIRMINGHAM.

Established 1866.







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High Park Street Works, NECHELLS, BIRMINGHAM,

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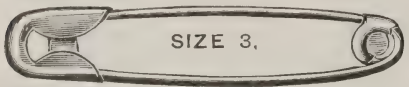
Broughtons' Guarded Coil. Made of **Solid Nickel.** Guaranteed to wear White.



No.	0	1	2	3	4	5	Assorted.
Length ..	1	1¼	1½	2	2¼	2½ in.	No. 1 to 3.
Price .	1/4	1/6	1/8	2/-	2/6	3/3	1/9

Trade Terms. Jet Enamel same Price. Will not corrode. **Trade Terms.**

SAFETY PINS (60 qualities) of every kind and pattern.

FANCY GILT PINS, 1,000 Patterns.

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GENTS' SCARF PINS, in Gilt, Best Gilt, and 9-ct., 12-ct., 15-ct., and 18-ct. Genuine Rolled Gold.

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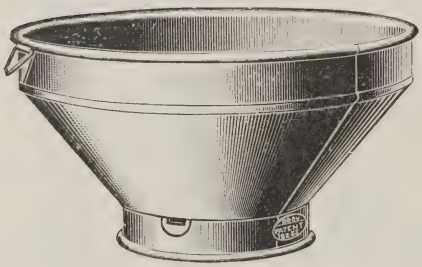
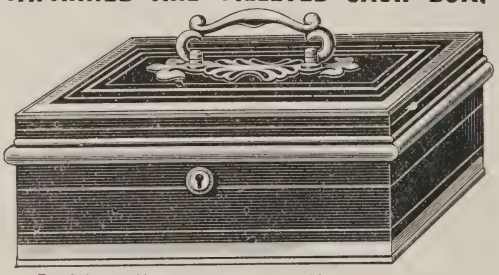
104 R. L. B. Sizes 7 in. to 12 in.



Patent loose bottoms.

BEST EXTRA STRONG JAPANNED AND FILLETED CASH BOX.



Registered Tray and Handle. Sizes 6 in. to 20 in.

ELECTRO BRONZED HOT-WATER CAN.

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Sizes
2 pt. to 8 pt.

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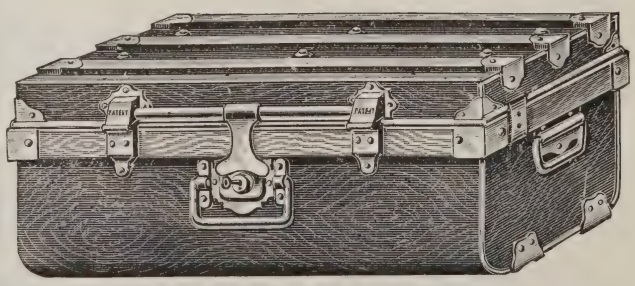
(122—19074).



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270 Sizes 24 in. to 36 in.

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BIRMINGHAM

MANUFACTURERS — ESTABLISHED 1888

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BIRMINGHAM, LONDON & SYDNEY.

IMPROVED PRESTON'S SCREW ADJUSTMENT.

(CARTLAND'S PATENT.)

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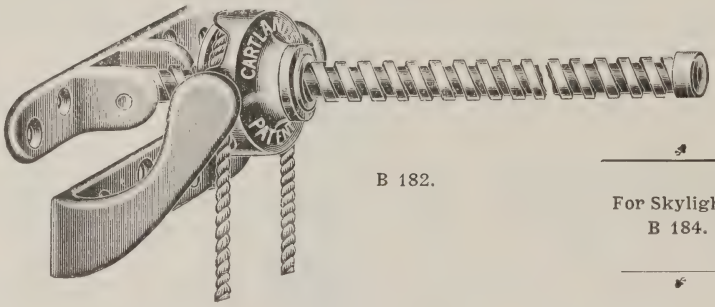

B 182.

For Skylights, B 184.

B182. Hinged at bottom, opening in.

	Iron fitting. Brass wheel.	All Brass.	Gun-metal.
⅜ in screw × 12 in. long	1/6	2/6	3/3 each.
⅜ in. ,, × 18 in. long	2/9	4/6	5/6 ,,

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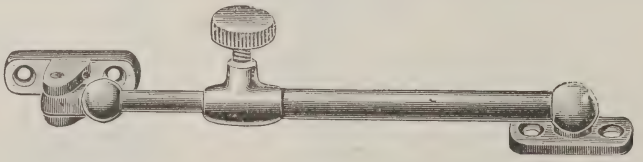

	12 in.	14 in. when extended.
B 44	30/-	32/- per dozen.

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AS MANUFACTURED BY THE ORIGINAL PATENTEES.

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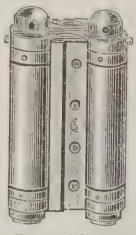
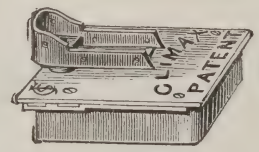


Iron, 5753.
Brass, 5754.

CLIMAX FLOOR SPRINGS.



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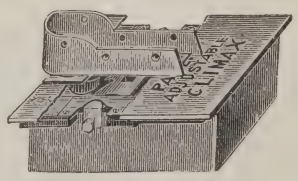
With Iron Strap .. .. 15/6 each.
With Brass Shoe, 2 in. 18/- ,,

ADJUSTABLE CLIMAX FLOOR SPRINGS.



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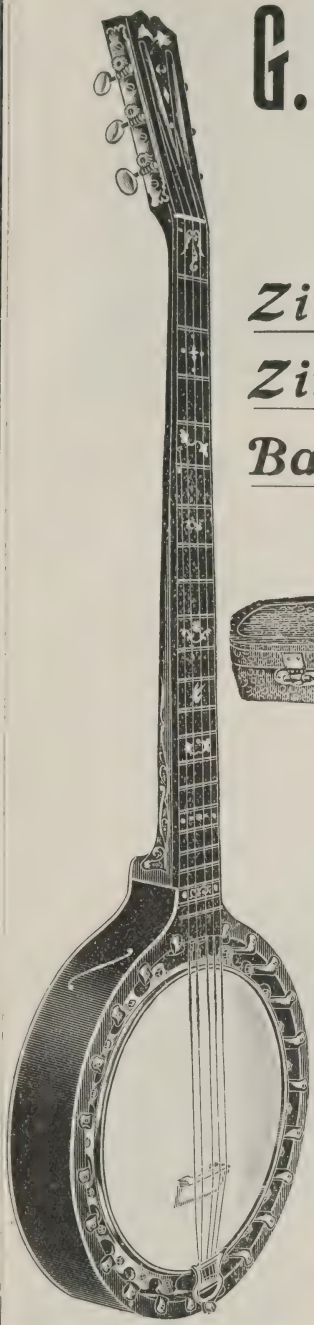

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Zither Banjos, Banjos, . . Zither Mandolines, Piccolo Banjos, Japanese Fiddles,

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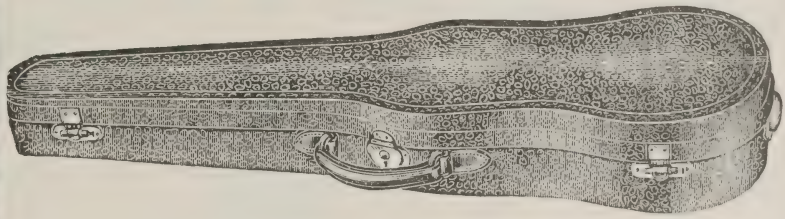

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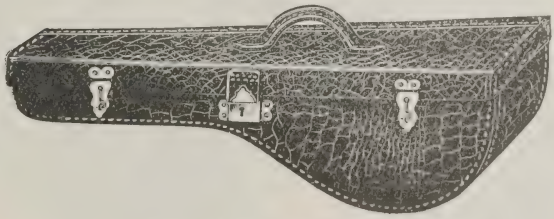

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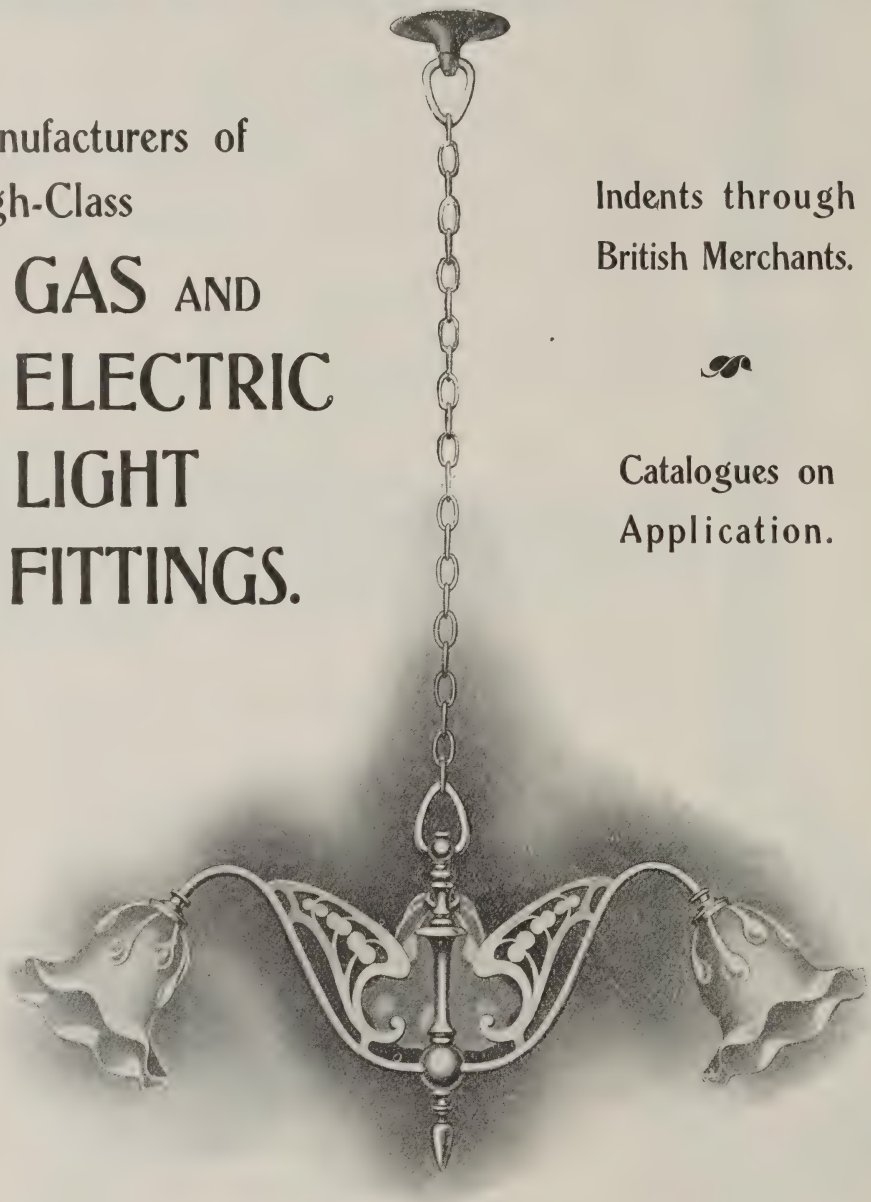
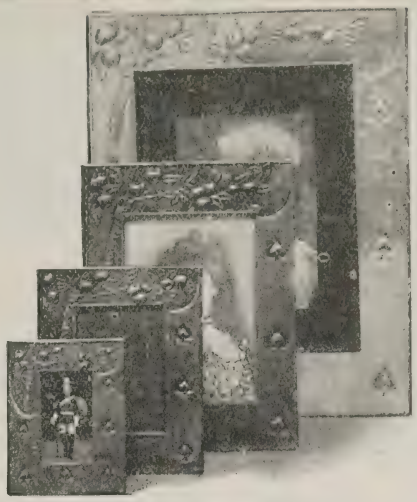


EDISON WORKS,

Conybere Street, BIRMINGHAM.

123

Photo Frame No. 5150.



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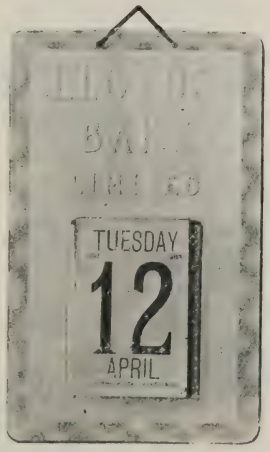
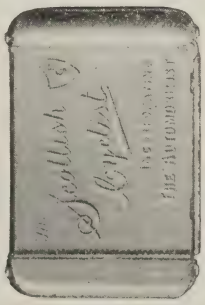


Match Box No. 4954.



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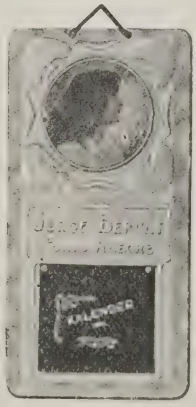

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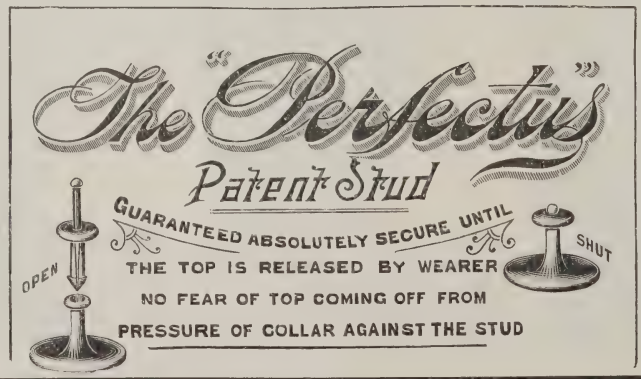

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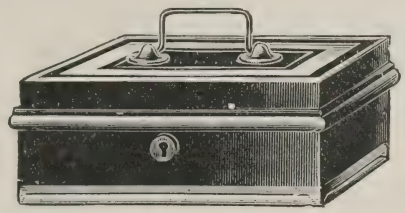
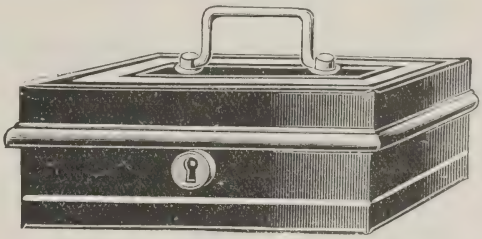


No. 2.



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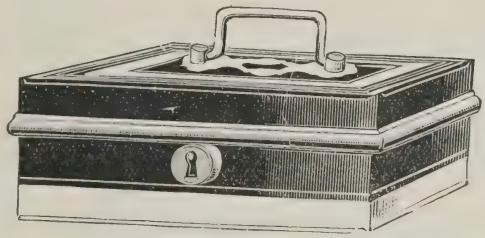

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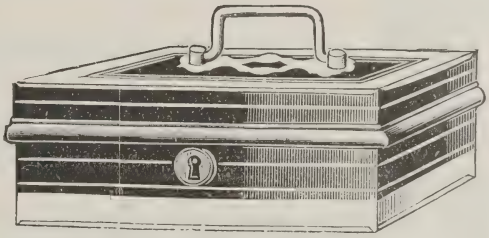

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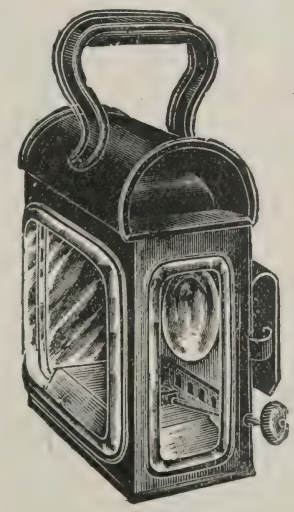

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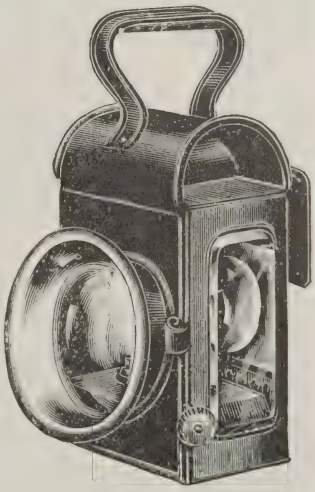

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ESTABLISHED 1860.

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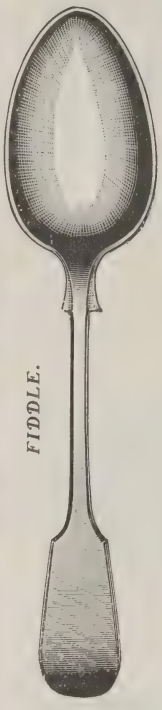

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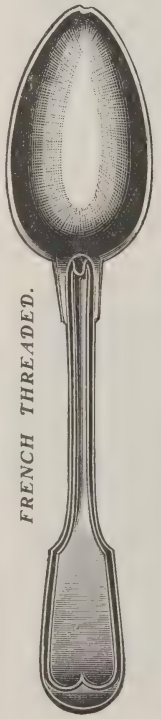

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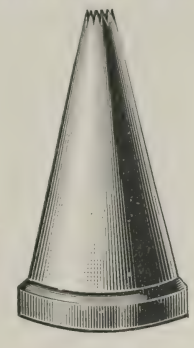
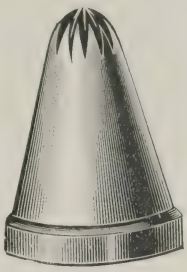


FINE ROPE.



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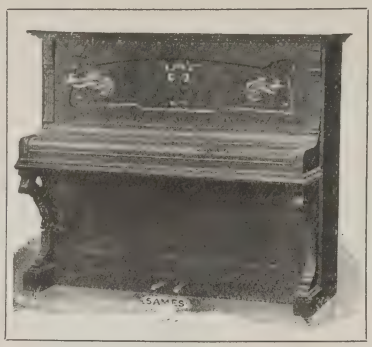

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Great Durability. Beautifully Made Throughout.
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William Sames, Ltd.,

Mozart Works, BIRMINGHAM.

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BUILDERS', SHIPBUILDERS', AND CABINET MAKERS'
BRASS FOUNDRY.

SPECIALITIES:—Cast Butts, Bolts, Cabin Hooks, Handles, Rowlocks, Boat Hooks, etc., in Brass or Gun Metal.

ALSO PIANOFORTE IRONMONGERY OF ALL DESCRIPTIONS.

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BEMROSE & SONS Ltd., Midland Place, DERBY.

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196 MANUFACTURERS OF ALL KINDS OF BUILDERS', CABINET MAKERS', AND HOUSE FURNISHING BRASSFOUNDRY, SHIPS' FITTINGS, ETC.

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GAUGE GLASSES

Established 1853.

MAKERS OF THE NEW GAUGE GLASSES **"SHP"** For Special High-Pressure Boilers.

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British Standard Cycle Model 14A.

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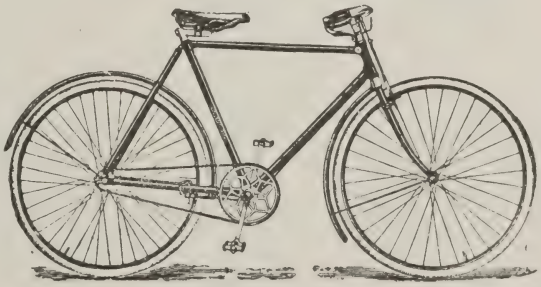
GENT.'S, £3.

LADY'S, 6/- extra with Celluloid Chain Cover.

Eadie or New Departure Hub, **5/-** extra.



SPECIFICATION.

Frames from 16 in. to 26 in., wheels from 22 in. to 28 in., plated rims, rustless spokes, Phillips' pedals, Perry's chain, ball free wheel, two inverted or roller brakes, three-coil plated spring saddle, tyres by the Macintosh Tyre Co.

Cases, 2/6 per cycle, free.

Terms Cash against shipping documents. Write for Prices of Frames or Fittings for assembling the above Cycles.

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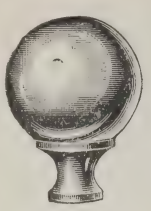

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ALL SIZES IN STOCK.

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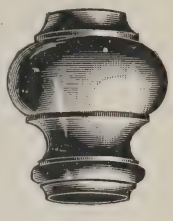

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If you give your customer an attractive Picture he will hang it on the wall of his office or home, and your name will be prominently before him throughout the year.

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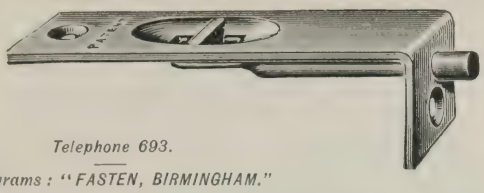

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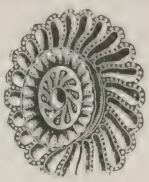

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Telephone 693.

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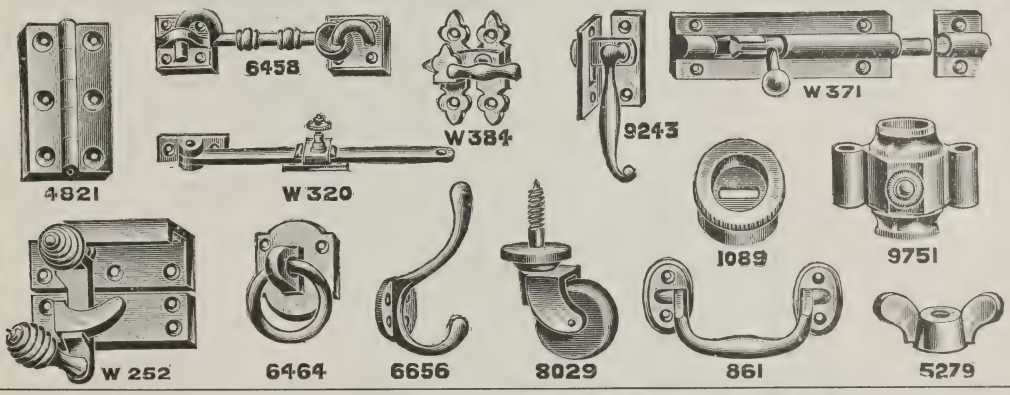

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Special Lines for Hotels:

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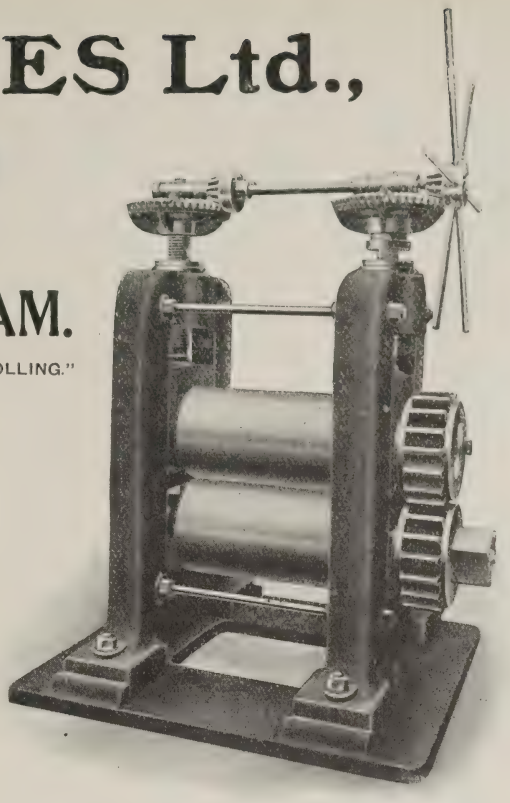

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Parallel & Double Bar Gents' Safety Pins,

ALSO

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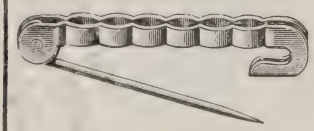
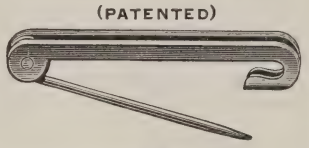


Novelty Safety Pins.



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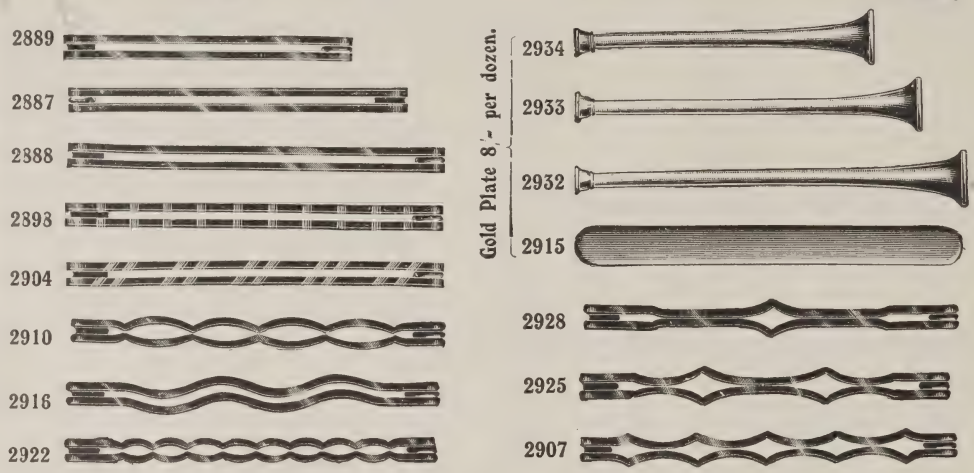

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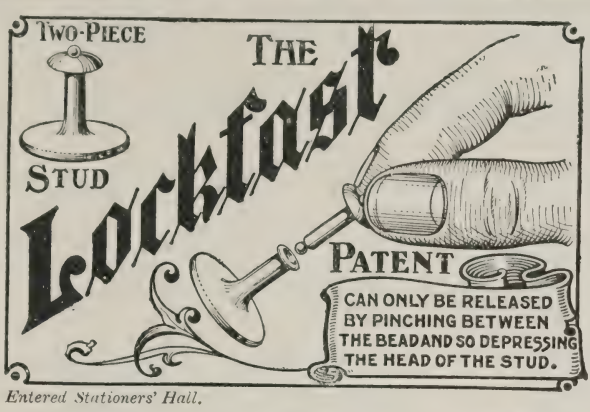

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NO JERK Required.

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Inlaid Pearl Backs.

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"ST. GEORGE" Snap Studs. "UTRYITT" Snap Studs.

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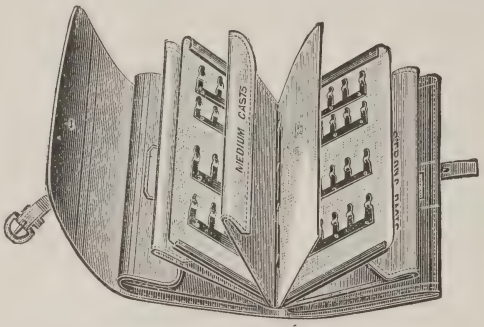

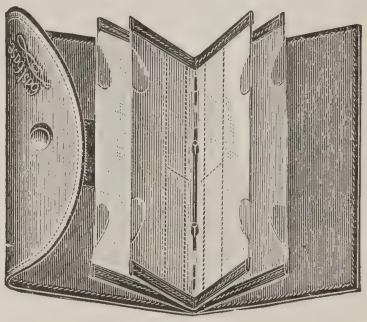

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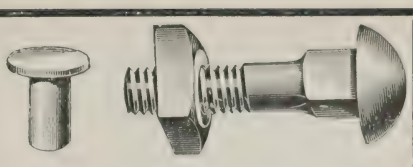

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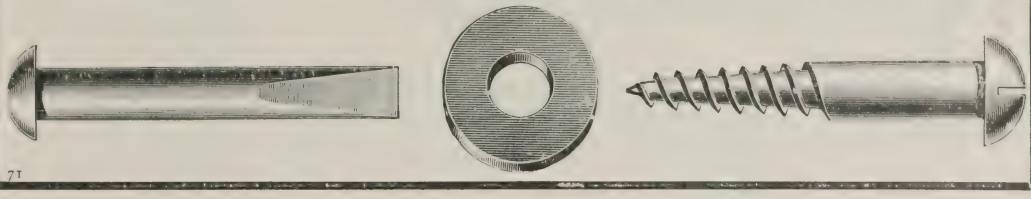

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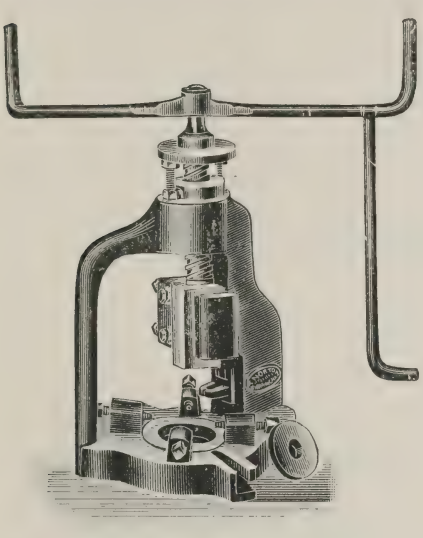

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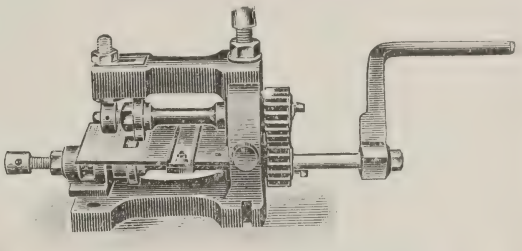

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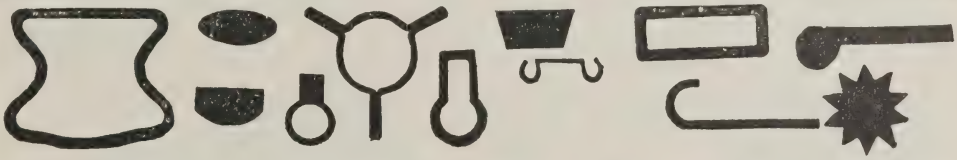

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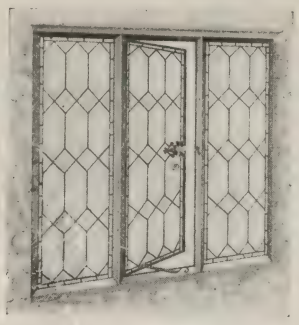

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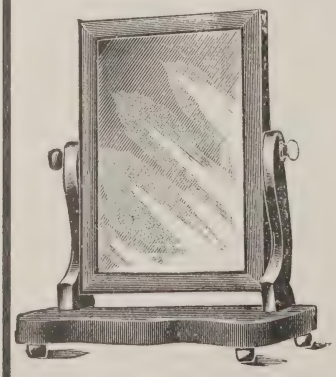

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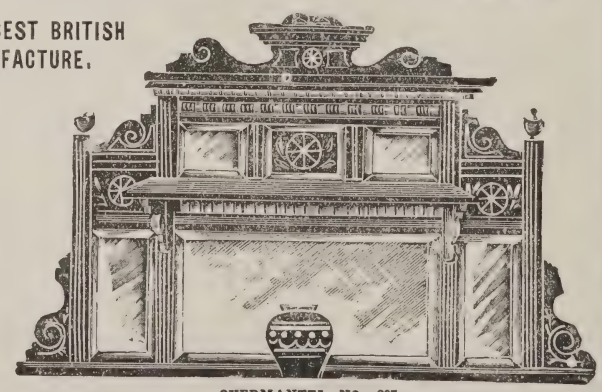

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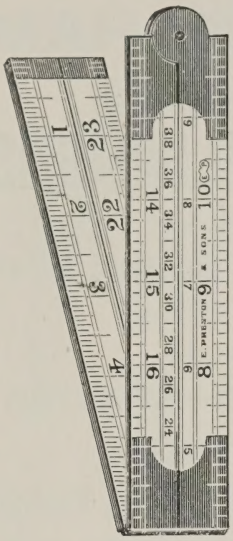

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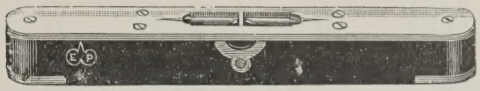

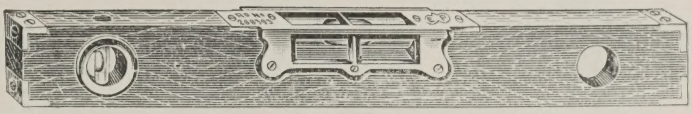

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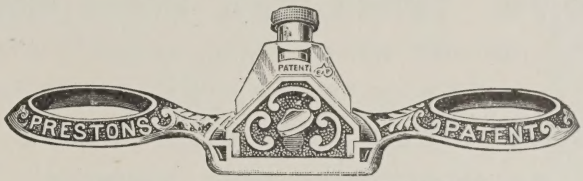

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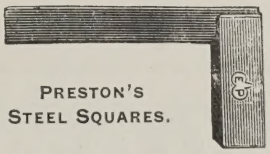

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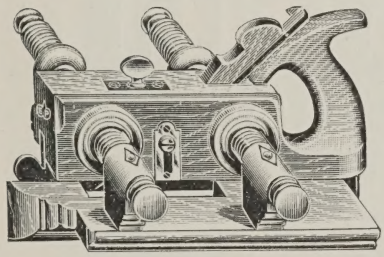

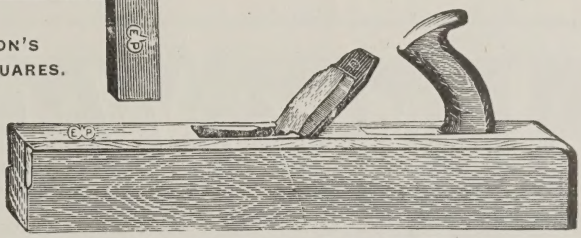

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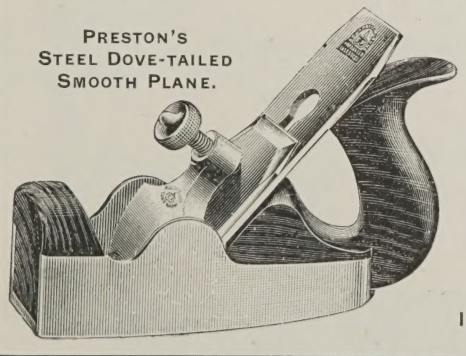

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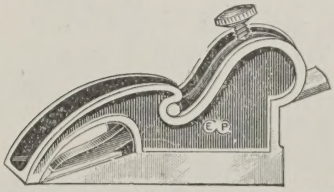

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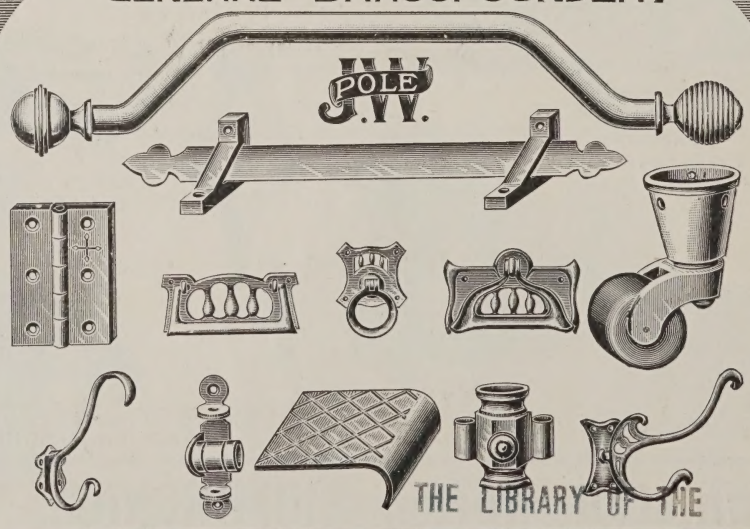

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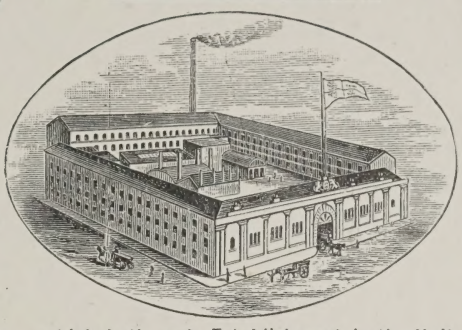

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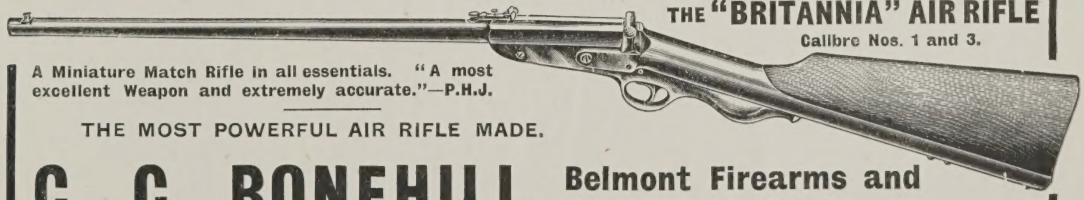

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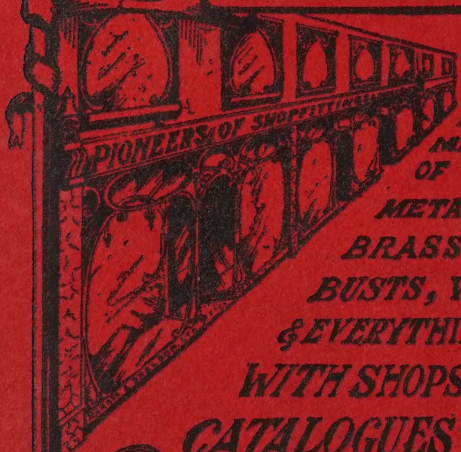

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